

SEQUENCE LISTING

<110> INCYTE GENOMICS, INC.
 HILLMAN, Jennifer L.
 LAL, Preeti
 TANG, Y. Tom
 YUE, Henry
 AU-YOUNG, Janice
 BANDMAN, Olga
 AZIMZAI, Yalda
 YANG, Junming
 LU, Dyung Aina M.
 BAUGHN, Mariah R.
 PATTERSON, Chandra
 SHAH, Purvi

<120> CELL CYCLE AND PROLIFERATION PROTEINS

<130> PF-0722 PCT

<140> To Be Assigned
 <141> Herewith

<150> 60/145,075; 60/153,129; 60/164,647
 <151> 1999-07-21; 1999-09-08; 1999-11-10

<160> 108
 <170> PERL Program

<210> 1
 <211> 145
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 116462CD1

<400> 1
 Met Asn Gly Arg Val Asp Tyr Leu Val Thr Glu Glu Glu Ile Asn
 1 5 10 15
 Leu Thr Arg Gly Pro Ser Gly Leu Gly Phe Asn Ile Val Gly Gly
 20 25 30
 Thr Asp Gln Gln Tyr Val Ser Asn Asp Ser Gly Ile Tyr Val Ser
 35 40 45
 Arg Ile Lys Glu Asn Gly Ala Ala Ala Leu Asp Gly Arg Leu Gln
 50 55 60
 Glu Gly Asp Lys Ile Leu Ser Val Asn Gly Gln Asp Leu Lys Asn
 65 70 75
 Leu Leu His Gln Asp Ala Val Asp Leu Phe Arg Asn Ala Gly Tyr
 80 85 90
 Ala Val Ser Leu Arg Val Gln His Arg Leu Gln Val Gln Asn Gly
 95 100 105
 Pro Ile Gly His Arg Gly Glu Gly Asp Pro Ser Gly Ile Pro Ile
 110 115 120
 Phe Met Val Leu Val Pro Val Phe Ala Leu Thr Met Val Ala Ala
 125 130 135
 Trp Ala Phe Met Arg Tyr Arg Gln Gln Leu
 140 145

<210> 2
 <211> 340
 <212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1210462CD1

<400> 2

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Met Leu Thr Gln Leu Lys Ala Lys Ser Glu Gly Lys Leu Ala Lys
 1          5          10          15
Gln Ile Cys Lys Val Val Leu Asp His Phe Glu Lys Gln Tyr Ser
 20          25          30
Lys Glu Leu Gly Asp Ala Trp Asn Thr Val Arg Glu Ile Leu Thr
 35          40          45
Ser Pro Ser Cys Trp Gln Tyr Ala Val Leu Leu Asn Arg Phe Asn
 50          55          60
Tyr Pro Phe Glu Leu Glu Lys Asp Leu His Leu Lys Gly Tyr His
 65          70          75
Thr Leu Ser Gln Gly Ser Leu Pro Asn Tyr Pro Lys Ser Val Lys
 80          85          90
Cys Tyr Leu Ser Arg Thr Pro Gly Arg Ile Pro Ser Glu Arg His
 95          100         105
Gln Ile Gly Asn Leu Lys Lys Tyr Tyr Leu Leu Asn Ala Ala Ser
110         115         120
Leu Leu Pro Val Leu Ala Leu Glu Leu Arg Asp Gly Glu Lys Val
125         130         135
Leu Asp Leu Cys Ala Ala Pro Gly Gly Lys Ser Ile Ala Leu Leu
140         145         150
Gln Cys Ala Cys Pro Gly Tyr Leu His Cys Asn Glu Tyr Asp Ser
155         160         165
Leu Arg Leu Arg Trp Leu Arg Gln Thr Leu Glu Ser Phe Ile Pro
170         175         180
Gln Pro Leu Ile Asn Val Ile Lys Val Ser Glu Leu Asp Gly Arg
185         190         195
Lys Met Gly Asp Ala Gln Pro Glu Met Phe Asp Lys Val Leu Val
200         205         210
Asp Ala Pro Cys Ser Asn Asp Arg Ser Trp Leu Phe Ser Ser Asp
215         220         225
Ser Gln Lys Ala Ser Cys Arg Ile Ser Gln Arg Arg Asn Leu Pro
230         235         240
Leu Leu Gln Ile Glu Leu Leu Arg Ser Ala Ile Lys Ala Leu Arg
245         250         255
Pro Gly Gly Ile Leu Val Tyr Ser Thr Cys Thr Leu Ser Lys Ala
260         265         270
Glu Asn Gln Asp Val Ile Ser Glu Ile Leu Asn Ser His Gly Asn
275         280         285
Ile Met Pro Met Asp Ile Lys Gly Ile Ala Arg Thr Cys Ser His
290         295         300
Asp Phe Thr Phe Ala Pro Thr Gly Gln Glu Cys Gly Leu Leu Val
305         310         315
Ile Pro Asp Lys Gly Lys Ala Trp Gly Pro Met Tyr Val Ala Lys
320         325         330
Leu Lys Lys Ser Trp Ser Thr Gly Lys Trp
335         340

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<210> 3

<211> 418

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1305252CD1

<400> 3

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Met Leu Tyr Leu Glu Asp Tyr Leu Glu Met Ile Glu Gln Leu Pro
  1      5      10      15
Met Asp Leu Arg Asp Arg Phe Thr Glu Met Arg Glu Met Asp Leu
  20      25      30
Gln Val Gln Asn Ala Met Asp Gln Leu Glu Gln Arg Val Ser Glu
  35      40      45
Phe Phe Met Asn Ala Lys Lys Asn Lys Pro Glu Trp Arg Glu Glu
  50      55      60
Gln Met Ala Ser Ile Lys Lys Asp Tyr Tyr Lys Ala Leu Glu Asp
  65      70      75
Ala Asp Glu Lys Val Gln Leu Ala Asn Gln Ile Tyr Asp Leu Val
  80      85      90
Asp Arg His Leu Arg Lys Leu Asp Gln Glu Leu Ala Lys Phe Lys
  95      100     105
Met Glu Leu Glu Ala Asp Asn Ala Gly Ile Thr Glu Ile Leu Glu
  110     115     120
Arg Arg Ser Leu Glu Leu Asp Thr Pro Ser Gln Pro Val Asn Asn
  125     130     135
His His Ala His Ser His Thr Thr Thr Asp His Ile Pro Glu Lys Lys
  140     145     150
Pro Thr Ser His His Thr Thr Thr Asp His Ile Pro Glu Lys Lys
  155     160     165
Phe Lys Ser Glu Ala Leu Leu Ser Thr Leu Thr Ser Asp Ala Ser
  170     175     180
Lys Glu Asn Thr Leu Gly Cys Arg Asn Asn Asn Ser Thr Ala Ser
  185     190     195
Ser Asn Asn Ala Tyr Asn Val Asn Ser Ser Gln Pro Leu Gly Ser
  200     205     210
Tyr Asn Ile Gly Ser Leu Ser Ser Gly Thr Gly Ala Gly Ala Ile
  215     220     225
Thr Met Ala Ala Ala Gln Ala Val Gln Ala Thr Ala Gln Met Lys
  230     235     240
Glu Gly Arg Arg Thr Ser Ser Leu Lys Ala Ser Tyr Glu Ala Phe
  245     250     255
Lys Asn Asn Asp Phe Gln Leu Gly Lys Glu Phe Ser Met Ala Arg
  260     265     270
Glu Thr Val Gly Tyr Ser Ser Ser Ser Ala Leu Met Thr Thr Leu
  275     280     285
Thr Gln Asn Ala Ser Ser Ser Ala Ala Asp Ser Arg Ser Gly Arg
  290     295     300
Lys Ser Lys Asn Asn Asn Lys Ser Ser Ser Gln Gln Ser Ser Ser
  305     310     315
Ser Ser Ser Ser Ser Ser Leu Ser Ser Cys Ser Ser Ser Ser Thr
  320     325     330
Val Val Gln Glu Ile Ser Gln Gln Thr Thr Val Val Pro Glu Ser
  335     340     345
Asp Ser Asn Ser Gln Val Asp Trp Thr Tyr Asp Pro Asn Glu Pro
  350     355     360
Arg Tyr Cys Ile Cys Asn Gln Val Ser Tyr Gly Glu Met Val Gly
  365     370     375
Cys Asp Asn Gln Asp Cys Pro Ile Glu Trp Phe His Tyr Gly Cys
  380     385     390
Val Gly Leu Thr Glu Ala Pro Lys Gly Lys Trp Tyr Cys Pro Gln
  395     400     405
Cys Thr Ala Ala Met Lys Arg Arg Gly Ser Arg His Lys
  410     415
<210> 4
<211> 297
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature

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<223> Incyte ID No: 1416289CD1

<400> 4

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Met Ala Tyr Asn Val Ile Ile Ile Tyr Phe Asn Phe Arg Cys Leu
  1          5          10          15
Glu Trp Leu Leu Asn Asn Leu Met Thr His Gln Asn Val Glu Leu
  20          25          30
Phe Lys Glu Leu Ser Ile Asn Val Met Lys Gln Leu Ile Gly Ser
  35          40          45
Ser Asn Leu Phe Val Met Gln Val Glu Met Asp Ile Tyr Thr Ala
  50          55          60
Leu Lys Lys Trp Met Phe Leu Gln Leu Val Pro Ser Trp Asn Gly
  65          70          75
Ser Leu Lys Gln Leu Leu Thr Glu Thr Asp Val Trp Phe Ser Lys
  80          85          90
Gln Arg Lys Asp Phe Glu Gly Met Ala Phe Leu Glu Thr Glu Gln
  95          100          105
Gly Lys Pro Phe Val Ser Val Phe Arg His Leu Arg Leu Gln Tyr
  110          115          120
Ile Ile Ser Asp Leu Ala Ser Ala Arg Ile Ile Glu Gln Asp Ala
  125          130          135
Val Val Pro Ser Glu Trp Leu Ser Ser Val Tyr Lys Gln Gln Trp
  140          145          150
Phe Ala Met Leu Arg Ala Glu Gln Asp Ser Glu Val Gly Pro Gln
  155          160          165
Glu Ile Asn Lys Glu Leu Glu Gly Asn Ser Met Arg Cys Gly
  170          175          180
Arg Lys Leu Ala Lys Asp Gly Glu Tyr Cys Trp Arg Trp Thr Gly
  185          190          195
Phe Asn Phe Gly Phe Asp Leu Leu Val Thr Tyr Thr Asn Arg Tyr
  200          205          210
Ile Ile Phe Lys Arg Asn Thr Leu Asn Gln Pro Cys Ser Gly Ser
  215          220          225
Val Ser Leu Gln Pro Arg Arg Ser Ile Ala Phe Arg Leu Arg Leu
  230          235          240
Ala Ser Phe Asp Ser Ser Gly Lys Leu Ile Cys Ser Arg Thr Thr
  245          250          255
Gly Tyr Gln Ile Leu Thr Leu Glu Lys Asp Gln Glu Gln Val Val
  260          265          270
Met Asn Leu Asp Ser Arg Leu Leu Ile Phe Pro Leu Tyr Ile Cys
  275          280          285
Cys Asn Phe Leu Tyr Ile Ser Pro Glu Lys Lys Asn
  290          295

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<210> 5

<211> 184

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1558289CD1

<400> 5

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Met Glu Ser Phe Ser Ser Lys Ser Leu Ala Leu Gln Ala Glu Lys
  1          5          10          15
Lys Leu Leu Ser Lys Met Ala Gly Arg Ser Val Ala His Leu Phe
  20          25          30
Ile Asp Glu Thr Ser Ser Glu Val Leu Asp Glu Leu Tyr Arg Val
  35          40          45
Ser Lys Glu Tyr Thr His Ser Arg Pro Gln Ala Gln Arg Val Ile
  50          55          60
Lys Asp Leu Ile Lys Val Ala Ile Lys Val Ala Val Leu His Arg
  65          70          75

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Asn Gly Ser Phe Gly Pro Ser Glu Leu Ala Leu Ala Thr Arg Phe
      80      85      90
Arg Gln Lys Leu Arg Gln Gly Ala Met Thr Ala Leu Ser Phe Gly
      95     100     105
Glu Val Asp Phe Thr Phe Glu Ala Ala Val Leu Ala Gly Leu Leu
     110     115     120
Thr Glu Cys Arg Asp Val Leu Leu Glu Leu Val Glu His His Leu
     125     130     135
Thr Pro Lys Ser His Gly Arg Ile Arg His Val Phe Asp His Phe
     140     145     150
Ser Asp Pro Gly Leu Leu Thr Ala Leu Tyr Gly Pro Asp Phe Thr
     155     160     165
Gln His Leu Gly Lys Ile Cys Asp Gly Leu Arg Lys Leu Leu Asp
     170     175     180
Glu Gly Lys Leu

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<210> 6
 <211> 173
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 1577739CD1

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<400> 6
Met Asp Val Arg Arg Val Leu Val Lys Ala Glu Met Glu Lys Phe
  1      5      10      15
Leu Gln Asn Lys Glu Leu Phe Ser Ser Leu Lys Lys Gly Lys Ile
     20      25      30
Cys Cys Cys Cys Arg Ala Lys Phe Pro Leu Phe Ser Trp Pro Pro
     35      40      45
Ser Cys Leu Phe Cys Lys Arg Ala Val Cys Thr Ser Cys Ser Ile
     50      55      60
Lys Met Lys Met Pro Ser Lys Lys Phe Gly His Ile Pro Val Tyr
     65      70      75
Thr Leu Gly Phe Glu Ser Pro Gln Arg Val Ser Ala Ala Lys Thr
     80      85      90
Ala Pro Ile Gln Arg Arg Asp Ile Phe Gln Ser Leu Gln Gly Pro
     95     100     105
Gln Trp Gln Ser Val Glu Glu Ala Phe Pro His Ile Tyr Ser His
    110     115     120
Gly Cys Val Leu Lys Asp Val Cys Ser Glu Cys Thr Ser Phe Val
    125     130     135
Ala Asp Val Val Arg Ser Ser Arg Lys Ser Val Asp Val Leu Asn
    140     145     150
Thr Thr Pro Arg Arg Ser Arg Gln Thr Gln Ser Leu Tyr Ile Pro
    155     160     165
Asn Thr Arg Thr Leu Asp Phe Lys
    170

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<210> 7
 <211> 591
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 1752768CD1

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<400> 7
Met Val Pro Val Ala Val Thr Ala Ala Val Ala Pro Val Leu Ser
  1      5      10      15
Ile Asn Ser Asp Phe Ser Asp Leu Arg Glu Ile Lys Lys Gln Leu

```

	20		25		30
Leu Leu Ile Ala	Gly Leu Thr Arg Glu	Arg Gly Leu Leu His Ser			
	35	40			45
Ser Lys Trp Ser	Ala Glu Leu Ala Phe Ser	Leu Pro Ala Leu Pro			
	50	55			60
Leu Ala Glu Leu	Gln Pro Pro Pro Pro	Ile Thr Glu Glu Asp Ala			
	65	70			75
Gln Asp Met Asp	Ala Tyr Thr Leu Ala Lys	Ala Tyr Phe Asp Val			
	80	85			90
Lys Glu Tyr Asp	Arg Ala Ala His Phe	Leu His Gly Cys Asn Ser			
	95	100			105
Lys Lys Ala Tyr	Phe Leu Tyr Met Tyr	Ser Arg Tyr Leu Ser Gly			
	110	115			120
Glu Lys Lys Lys	Asp Asp Glu Thr Val	Ser Leu Gly Pro Leu			
	125	130			135
Glu Lys Gly Gln	Val Lys Asn Glu Ala	Leu Arg Glu Leu Arg Val			
	140	145			150
Glu Leu Ser Lys	Lys His Gln Ala Arg	Glu Leu Asp Gly Phe Gly			
	155	160			165
Leu Tyr Leu Tyr	Gly Val Val Leu Arg	Lys Leu Asp Leu Val Lys			
	170	175			180
Glu Ala Ile Asp	Val Phe Val Glu Ala	Thr His Val Leu Pro Leu			
	185	190			195
His Trp Gly Ala	Trp Leu Glu Leu Cys	Asn Leu Ile Thr Asp Lys			
	200	205			210
Glu Met Leu Lys	Phe Leu Ser Leu Pro	Asp Thr Trp Met Lys Glu			
	215	220			225
Phe Phe Leu Ala	His Ile Tyr Thr Glu	Leu Gln Leu Ile Glu Glu			
	230	235			240
Ala Leu Gln Lys	Tyr Gln Asn Leu Ile	Asp Val Gly Phe Ser Lys			
	245	250			255
Ser Ser Tyr Ile	Val Ser Gln Ile Ala	Val Ala Tyr His Asn Ile			
	260	265			270
Arg Asp Ile Asp	Lys Ala Leu Ser Ile	Phe Asn Glu Leu Arg Lys			
	275	280			285
Gln Asp Pro Tyr	Arg Ile Glu Asn Met	Asp Thr Phe Ser Asn Leu			
	290	295			300
Leu Tyr Val Arg	Ser Met Lys Ser Glu	Leu Ser Tyr Leu Ala His			
	305	310			315
Asn Leu Cys Glu	Ile Asp Lys Tyr Arg	Val Glu Thr Cys Cys Val			
	320	325			330
Ile Gly Asn Tyr	Tyr Ser Leu Arg Ser	Gln His Glu Lys Ala Ala			
	335	340			345
Leu Tyr Phe Gln	Arg Ala Leu Lys Leu	Asn Pro Arg Tyr Leu Gly			
	350	355			360
Ala Trp Thr Leu	Met Gly His Glu Tyr	Met Glu Met Lys Asn Thr			
	365	370			375
Ser Ala Ala Ile	Gln Ala Tyr Arg His	Ala Ile Glu Val Asn Lys			
	380	385			390
Arg Asp Tyr Arg	Ala Trp Tyr Gly Leu	Gly Gln Thr Tyr Glu Ile			
	395	400			405
Leu Lys Met Pro	Phe Tyr Cys Leu Tyr	Tyr Cys Arg Arg Ala His			
	410	415			420
Gln Leu Arg Pro	Asn Asp Ser Arg Met	Leu Val Ala Leu Gly Glu			
	425	430			435
Cys Tyr Glu Lys	Leu Asn Gln Leu Val	Glu Ala Lys Lys Cys Tyr			
	440	445			450
Trp Arg Ala Tyr	Ala Val Gly Asp Val	Glu Lys Met Ala Leu Val			
	455	460			465
Lys Leu Ala Lys	Leu His Glu Gln Leu	Thr Glu Ser Glu Gln Ala			
	470	475			480
Ala Gln Cys Tyr	Ile Lys Tyr Ile Gln	Asp Ile Tyr Ser Cys Gly			
	485	490			495

Glu Ile Val Glu His Leu Glu Glu Ser Thr Ala Phe Arg Tyr Leu
 500 505 510
 Ala Gln Tyr Tyr Phe Lys Cys Lys Leu Trp Asp Glu Ala Ser Thr
 515 520 525
 Cys Ala Gln Lys Cys Cys Ala Phe Asn Asp Thr Arg Glu Glu Gly
 530 535 540
 Lys Ala Leu Leu Arg Gln Ile Leu Gln Leu Arg Asn Gln Gly Glu
 545 550 555
 Thr Pro Thr Thr Glu Val Pro Ala Pro Phe Phe Leu Pro Ala Ser
 560 565 570
 Leu Ser Ala Asn Thr Pro Thr Arg Arg Val Ser Pro Leu Asn
 575 580 585
 Leu Ser Ser Val Thr Pro
 590

<210> 8

<211> 463

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1887228CD1

<400> 8

Met Pro Leu Leu Asn Trp Val Ala Leu Lys Pro Ser Gln Ile Thr
 1 5 10 15
 Gly Thr Val Phe Thr Glu Leu Asn Asp Glu Lys Val Leu Gln Glu
 20 25 30
 Leu Asp Met Ser Asp Phe Glu Glu Gln Phe Lys Thr Lys Ser Gln
 35 40 45
 Gly Pro Ser Leu Asp Leu Ser Ala Leu Lys Ser Lys Ala Ala Gln
 50 55 60
 Lys Ala Pro Ser Lys Ala Thr Leu Ile Glu Ala Asn Arg Ala Lys
 65 70 75
 Asn Leu Ala Ile Thr Leu Arg Lys Gly Asn Leu Gly Ala Glu Arg
 80 85 90
 Ile Cys Gln Ala Ile Glu Ala Tyr Asp Leu Gln Ala Leu Gly Leu
 95 100 105
 Asp Phe Leu Glu Leu Leu Met Arg Phe Leu Pro Thr Glu Tyr Glu
 110 115 120
 Arg Ser Leu Ile Thr Arg Phe Glu Arg Glu Gln Arg Pro Met Glu
 125 130 135
 Glu Leu Ser Glu Glu Asp Arg Phe Met Leu Cys Phe Ser Arg Ile
 140 145 150
 Pro Arg Leu Pro Glu Arg Met Thr Thr Leu Thr Phe Leu Gly Asn
 155 160 165
 Phe Pro Asp Thr Ala Gln Leu Leu Met Pro Gln Leu Asn Ala Ile
 170 175 180
 Ile Ala Ala Ser Met Ser Ile Lys Ser Ser Asp Lys Leu Arg Gln
 185 190 195
 Ile Leu Glu Ile Val Leu Ala Phe Gly Asn Tyr Met Asn Ser Ser
 200 205 210
 Lys Arg Gly Ala Ala Tyr Gly Phe Arg Leu Gln Ser Leu Asp Ala
 215 220 225
 Leu Leu Glu Met Lys Ser Thr Asp Arg Lys Gln Thr Leu Leu His
 230 235 240
 Tyr Leu Val Lys Val Ile Ala Glu Lys Tyr Pro Gln Leu Thr Gly
 245 250 255
 Phe His Ser Asp Leu His Phe Leu Asp Lys Ala Gly Ser Val Ser
 260 265 270
 Leu Asp Ser Val Leu Ala Asp Val Arg Ser Leu Gln Arg Gly Leu
 275 280 285
 Glu Leu Thr Gln Arg Glu Phe Val Arg Gln Asp Asp Cys Met Val

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290          295          300
Leu Lys Glu Phe Leu Arg Ala Asn Ser Pro Thr Met Asp Lys Leu
305          310          315
Leu Ala Asp Ser Lys Thr Ala Gln Glu Ala Phe Glu Ser Val Val
320          325          330
Glu Tyr Phe Gly Glu Asn Pro Lys Thr Thr Ser Pro Gly Leu Phe
335          340          345
Phe Ser Leu Phe Ser Arg Phe Ile Lys Ala Tyr Lys Lys Ala Glu
350          355          360
Gln Glu Val Glu Gln Trp Lys Lys Glu Ala Ala Ala Gln Glu Ala
365          370          375
Gly Ala Asp Thr Pro Gly Lys Gly Glu Pro Pro Ala Pro Lys Ser
380          385          390
Pro Pro Lys Ala Arg Arg Pro Gln Met Asp Leu Ile Ser Glu Leu
395          400          405
Lys Arg Arg Gln Gln Lys Glu Pro Leu Ile Tyr Glu Ser Asp Arg
410          415          420
Asp Gly Ala Ile Glu Asp Ile Ile Thr Asp Leu Arg Asn Gln Pro
425          430          435
Tyr Ile Arg Ala Asp Thr Gly Arg Arg Ser Ala Arg Arg Arg Pro
440          445          450
Pro Gly Pro Pro Leu Gln Val Thr Ser Asp Leu Ser Leu
455          460
<210> 9
<211> 270
<212> PRT
<213> Homo sapiens

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<220>
<221> misc_feature
<223> Incyte ID No: 1988468CD1

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<400> 9
Met Ala Asp His Met Met Ala Met Asn His Gly Arg Phe Pro Asp
1      5      10      15
Gly Thr Asn Gly Leu His His His Pro Ala His Arg Met Gly Met
20     25     30
Gly Gln Phe Pro Ser Pro His His His Gln Gln Gln Gln Pro Gln
35     40     45
His Ala Phe Asn Ala Leu Met Gly Glu His Ile His Tyr Gly Ala
50     55     60
Gly Asn Met Asn Ala Thr Ser Gly Ile Arg His Ala Met Gly Pro
65     70     75
Gly Thr Val Asn Gly Gly His Pro Pro Ser Ala Leu Ala Pro Ala
80     85     90
Ala Arg Phe Asn Asn Ser Gln Phe Met Gly Pro Pro Val Ala Ser
95     100    105
Gln Gly Gly Ser Leu Pro Ala Ser Met Gln Leu Gln Lys Leu Asn
110    115    120
Asn Gln Tyr Phe Asn His His Pro Tyr Pro His Asn His Tyr Met
125    130    135
Pro Asp Leu His Pro Ala Ala Gly His Gln Met Asn Gly Thr Asn
140    145    150
Gln His Phe Arg Asp Cys Asn Pro Lys His Ser Gly Gly Ser Ser
155    160    165
Thr Pro Gly Gly Ser Gly Gly Ser Ser Thr Pro Gly Gly Ser Gly
170    175    180
Ser Ser Ser Gly Gly Ala Gly Ser Ser Asn Ser Gly Gly Gly
185    190    195
Ser Gly Ser Gly Asn Met Pro Ala Ser Val Ala His Val Pro Ala
200    205    210
Ala Met Leu Pro Pro Asn Val Ile Asp Thr Asp Phe Ile Asp Glu
215    220    225

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Glu	Val	Leu	Met	Ser	Leu	Val	Ile	Glu	Met	Gly	Leu	Asp	Arg	Ile	
			230						235					240	
Lys	Glu	Leu	Pro	Glu	Leu	Trp	Leu	Gly	Gln	Asn	Glu	Phe	Asp	Phe	
			245						250					255	
Met	Thr	Asp	Phe	Val	Cys	Lys	Gln	Gln	Pro	Ser	Arg	Val	Ser	Cys	
			260						265					270	

<210> 10
 <211> 255
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 2049176CD1

<400> 10															
Met	Val	Ser	Trp	Met	Ile	Ser	Arg	Ala	Val	Val	Leu	Val	Phe	Gly	
1				5					10					15	
Met	Leu	Tyr	Pro	Ala	Tyr	Tyr	Ser	Tyr	Lys	Ala	Val	Lys	Thr	Lys	
				20					25					30	
Asn	Val	Lys	Glu	Tyr	Val	Arg	Trp	Met	Met	Tyr	Trp	Ile	Val	Phe	
				35					40					45	
Ala	Leu	Tyr	Thr	Val	Ile	Glu	Thr	Val	Ala	Asp	Gln	Thr	Val	Ala	
				50					55					60	
Trp	Phe	Pro	Leu	Tyr	Tyr	Glu	Leu	Lys	Ile	Ala	Phe	Val	Ile	Trp	
				65					70					75	
Leu	Leu	Ser	Pro	Tyr	Thr	Lys	Gly	Ala	Ser	Leu	Ile	Tyr	Arg	Lys	
				80					85					90	
Phe	Leu	His	Pro	Leu	Leu	Ser	Ser	Lys	Glu	Arg	Glu	Ile	Asp	Asp	
				95					100					105	
Tyr	Ile	Val	Gln	Ala	Lys	Glu	Arg	Gly	Tyr	Glu	Thr	Met	Val	Asn	
				110					115					120	
Phe	Gly	Arg	Gln	Gly	Leu	Asn	Leu	Ala	Ala	Thr	Ala	Ala	Val	Thr	
				125					130					135	
Ala	Ala	Val	Lys	Ser	Gln	Gly	Ala	Ile	Thr	Glu	Arg	Leu	Arg	Ser	
				140					145					150	
Phe	Ser	Met	His	Asp	Leu	Thr	Thr	Ile	Gln	Gly	Asp	Glu	Pro	Val	
				155					160					165	
Gly	Gln	Arg	Pro	Tyr	Gln	Pro	Leu	Pro	Glu	Ala	Lys	Lys	Lys	Ser	
				170					175					180	
Lys	Pro	Ala	Pro	Ser	Glu	Ser	Ala	Gly	Tyr	Gly	Ile	Pro	Leu	Lys	
				185					190					195	
Asp	Gly	Asp	Glu	Lys	Thr	Asp	Glu	Glu	Ala	Glu	Gly	Pro	Tyr	Ser	
				200					205					210	
Asp	Asn	Glu	Met	Leu	Thr	His	Lys	Gly	Leu	Arg	Arg	Ser	Gln	Ser	
				215					220					225	
Met	Lys	Ser	Val	Lys	Thr	Thr	Lys	Gly	Arg	Lys	Glu	Val	Arg	Tyr	
				230					235					240	
Gly	Ser	Leu	Lys	Tyr	Lys	Val	Lys	Lys	Arg	Pro	Gln	Val	Tyr	Phe	
				245					250					255	

<210> 11
 <211> 533
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 2686765CD1

<400> 11
 Met Ser Gly Thr Leu Glu Ser Leu Ala Asp Asp Val Ser Ser Met

1	5	10	15
Gly Ser Asp Ser	Glu Ile Asn Gly Leu	Ala Leu Arg Lys Thr	Asp
	20	25	30
Lys Tyr Gly Phe	Leu Gly Gly Ser Gln Tyr	Ser Gly Ser Leu	Glu
	35	40	45
Ser Ser Ile Pro	Val Asp Val Ala Arg Gln	Arg Glu Leu Lys	Trp
	50	55	60
Leu Asp Met Phe	Ser Asn Trp Asp Lys Trp	Leu Ser Arg Arg	Phe
	65	70	75
Gln Lys Val Lys	Leu Arg Cys Arg Lys Gly	Ile Pro Ser Ser	Leu
	80	85	90
Arg Ala Lys Ala	Trp Gln Tyr Leu Ser Asn	Ser Lys Glu Leu	Leu
	95	100	105
Glu Gln Asn Pro	Gly Lys Phe Glu Glu Leu	Glu Arg Ala Pro	Gly
	110	115	120
Asp Pro Lys Trp	Leu Asp Val Ile Glu Lys	Asp Leu His Arg	Gln
	125	130	135
Phe Pro Phe His	Glu Met Phe Ala Ala Arg	Gly Gly His Gly	Gln
	140	145	150
Gln Asp Leu Tyr	Arg Ile Leu Lys Ala Tyr	Thr Ile Tyr Arg	Pro
	155	160	165
Asp Glu Gly Tyr	Cys Gln Ala Gln Ala Pro	Val Ala Ala Val	Leu
	170	175	180
Leu Met His Met	Pro Ala Glu Lys Pro Phe	Gly Ala Trp Val	Gln
	185	190	195
Ile Cys Asp Lys	Tyr Leu Pro Gly Tyr Tyr	Ser Ala Gly Leu	Glu
	200	205	210
Ala Ile Gln Leu	Asp Gly Glu Ile Phe Phe	Ala Leu Leu Arg	Arg
	215	220	225
Ala Ser Pro Leu	Ala His Arg His Leu Gln	Arg Gln Arg Ile	Asp
	230	235	240
Pro Val Leu Tyr	Met Thr Glu Trp Phe Met	Cys Ile Phe Ala	Arg
	245	250	255
Thr Leu Pro Trp	Ala Ser Val Leu Arg Val	Trp Asp Met Phe	Phe
	260	265	270
Cys Glu Gly Val	Lys Ile Ile Phe Arg Val	Ala Leu Val Leu	Leu
	275	280	285
Arg His Thr Leu	Gly Ser Val Glu Lys Leu	Arg Ser Cys Gln	Gly
	290	295	300
Met Tyr Glu Thr	Met Glu Gln Leu Arg Asn	Leu Pro Gln Gln	Cys
	305	310	315
Met Gln Glu Asp	Phe Leu Val His Glu Val	Thr Asn Leu Pro	Val
	320	325	330
Thr Glu Ala Leu	Ile Glu Arg Glu Asn Ala	Ala Gln Leu Lys	Lys
	335	340	345
Trp Arg Glu Thr	Arg Gly Glu Leu Gln Tyr	Arg Pro Ser Arg	Arg
	350	355	360
Leu His Gly Ser	Arg Ala Ile His Glu Glu	Arg Arg Arg Gln	Gln
	365	370	375
Pro Pro Leu Gly	Pro Ser Ser Ser Leu Leu	Ser Leu Pro Gly	Leu
	380	385	390
Lys Ser Arg Gly	Ser Arg Ala Ala Gly Gly	Ala Pro Ser Pro	Pro
	395	400	405
Pro Pro Val Arg	Arg Ala Ser Ala Gly Pro	Ala Pro Gly Pro	Val
	410	415	420
Val Thr Ala Glu	Gly Leu His Pro Ser Leu	Pro Ser Pro Thr	Gly
	425	430	435
Asn Ser Thr Pro	Leu Gly Ser Ser Lys Glu	Thr Arg Lys Gln	Glu
	440	445	450
Lys Glu Arg Gln	Lys Gln Glu Lys Glu Arg	Gln Lys Gln Glu	Lys
	455	460	465
Glu Arg Glu Lys	Glu Arg Gln Lys Gln Glu	Lys Glu Arg Glu	Lys
	470	475	480

Gln Glu Lys Glu Arg Glu Lys Gln Glu Lys Glu Arg Gln Lys Gln
 485 490 495
 Glu Lys Lys Ala Gln Gly Arg Lys Leu Ser Leu Arg Arg Lys Ala
 500 505 510
 Asp Gly Pro Pro Gly Pro His Asp Gly Gly Asp Arg Pro Ser Ala
 515 520 525
 Glu Ala Arg Gln Asp Ala Tyr Phe
 530

<210> 12
 <211> 160
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 3215187CD1

<400> 12
 Met Ala Phe Thr Phe Ala Ala Phe Cys Tyr Met Leu Ser Leu Val
 1 5 10 15
 Leu Cys Ala Ala Leu Ile Phe Phe Ala Ile Trp His Ile Ile Ala
 20 25 30
 Phe Asp Glu Leu Arg Thr Asp Phe Lys Ser Pro Ile Asp Gln Cys
 35 40 45
 Asn Pro Val His Ala Arg Glu Arg Leu Arg Asn Ile Glu Arg Ile
 50 55 60
 Cys Phe Leu Leu Arg Lys Leu Val Leu Pro Glu Tyr Ser Ile His
 65 70 75
 Ser Leu Phe Cys Ile Met Phe Leu Cys Ala Gln Glu Trp Leu Thr
 80 85 90
 Leu Gly Leu Asn Val Pro Leu Leu Phe Tyr His Phe Trp Arg Tyr
 95 100 105
 Phe His Cys Pro Ala Asp Ser Ser Glu Leu Ala Tyr Asp Pro Pro
 110 115 120
 Val Val Met Asn Ala Asp Thr Leu Ser Tyr Cys Gln Lys Glu Ala
 125 130 135
 Trp Cys Lys Leu Ala Phe Tyr Leu Leu Ser Phe Phe Tyr Tyr Leu
 140 145 150
 Tyr Cys Met Ile Tyr Thr Leu Val Ser Ser
 155 160

<210> 13
 <211> 531
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 3500375CD1

<400> 13
 Met Ala Asp Val Leu Ser Val Leu Arg Gln Tyr Asn Ile Gln Lys
 1 5 10 15
 Lys Glu Ile Val Val Lys Gly Asp Glu Val Ile Phe Gly Glu Phe
 20 25 30
 Ser Trp Pro Lys Asn Val Lys Thr Asn Tyr Val Val Trp Gly Thr
 35 40 45
 Gly Lys Glu Gly Gln Pro Arg Glu Tyr Tyr Thr Leu Asp Ser Ile
 50 55 60
 Leu Phe Leu Leu Asn Asn Val His Leu Ser His Pro Val Tyr Val
 65 70 75
 Arg Arg Ala Ala Thr Glu Asn Ile Pro Val Val Arg Arg Pro Asp
 80 85 90
 Arg Lys Asp Leu Leu Gly Tyr Leu Asn Gly Glu Ala Ser Thr Ser

	95		100		105
Ala Ser Ile Asp	Arg Ser Ala Pro Leu	Glu Ile Gly Leu Gln Arg			
	110		115		120
Ser Thr Gln Val	Lys Arg Ala Ala Asp	Glu Val Leu Ala Glu Ala			
	125		130		135
Lys Lys Pro Arg	Ile Glu Asp Glu Glu Cys	Val Arg Leu Asp Lys			
	140		145		150
Glu Arg Leu Ala	Ala Arg Leu Glu Gly His	Lys Glu Gly Ile Val			
	155		160		165
Gln Thr Glu Gln	Ile Arg Ser Leu Ser	Glu Ala Met Ser Val Glu			
	170		175		180
Lys Ile Ala Ala	Ile Lys Ala Lys Ile	Met Ala Lys Lys Arg Ser			
	185		190		195
Thr Ile Lys Thr	Asp Leu Asp Asp Asp	Ile Thr Ala Leu Lys Gln			
	200		205		210
Arg Ser Phe Val	Asp Ala Glu Val Asp	Val Thr Arg Asp Ile Val			
	215		220		225
Ser Arg Glu Arg	Val Trp Arg Thr Arg	Thr Thr Ile Leu Gln Ser			
	230		235		240
Thr Gly Lys Asn	Phe Ser Lys Asn Ile	Phe Ala Ile Leu Gln Ser			
	245		250		255
Val Lys Ala Arg	Glu Glu Gly Arg Ala	Pro Glu Gln Arg Pro Ala			
	260		265		270
Pro Asn Ala Ala	Pro Val Asp Pro Thr	Leu Arg Thr Lys Gln Pro			
	275		280		285
Ile Pro Ala Ala	Tyr Asn Arg Tyr Asp	Gln Glu Arg Phe Lys Gly			
	290		295		300
Lys Glu Glu Thr	Glu Gly Phe Lys Ile	Asp Thr Met Gly Thr Tyr			
	305		310		315
His Gly Met Thr	Leu Lys Ser Val Thr	Glu Gly Ala Ser Ala Arg			
	320		325		330
Lys Thr Gln Thr	Pro Ala Ala Gln Pro	Val Pro Arg Pro Val Ser			
	335		340		345
Gln Ala Arg Pro	Pro Pro Asn Gln Lys	Lys Gly Ser Arg Thr Pro			
	350		355		360
Ile Ile Ile Ile	Pro Ala Ala Thr Thr	Ser Leu Ile Thr Met Leu			
	365		370		375
Asn Ala Lys Asp	Leu Leu Gln Asp Leu	Lys Phe Val Pro Ser Asp			
	380		385		390
Glu Lys Lys Lys	Gln Gly Cys Gln Arg	Glu Asn Glu Thr Leu Ile			
	395		400		405
Gln Arg Arg Lys	Asp Gln Met Gln Pro	Gly Gly Thr Ala Ile Ser			
	410		415		420
Val Thr Val Pro	Tyr Arg Val Val Asp	Gln Pro Leu Lys Leu Met			
	425		430		435
Pro Gln Asp Trp	Asp Arg Val Val Ala	Val Phe Val Gln Gly Pro			
	440		445		450
Ala Trp Gln Phe	Lys Gly Trp Pro Trp	Leu Leu Pro Asp Gly Ser			
	455		460		465
Pro Val Asp Ile	Phe Ala Lys Ile Lys	Ala Phe His Leu Lys Tyr			
	470		475		480
Asp Glu Val Arg	Leu Asp Pro Asn Val	Gln Lys Trp Asp Val Thr			
	485		490		495
Val Leu Glu Leu	Ser Tyr His Lys Arg	His Leu Asp Arg Pro Val			
	500		505		510
Phe Leu Arg Phe	Trp Glu Thr Leu Asp	Arg Tyr Met Val Lys His			
	515		520		525
Lys Ser His Leu	Arg Phe				
	530				

<210> 14

<211> 165

<212> PRT

<213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 5080410CD1

<400> 14
 Met Ala Ser Met Arg Glu Ser Asp Thr Gly Leu Trp Leu His Asn
 1 5 10 15
 Lys Leu Gly Ala Thr Asp Glu Leu Trp Ala Pro Pro Ser Ile Ala
 20 25 30
 Ser Leu Leu Thr Ala Ala Val Ile Asp Asn Ile Arg Leu Cys Phe
 35 40 45
 His Gly Leu Ser Ser Ala Val Lys Leu Lys Leu Leu Leu Gly Thr
 50 55 60
 Leu His Leu Pro Arg Arg Thr Val Asp Glu His Pro Ile Leu Pro
 65 70 75
 Met Lys Gly Ala Leu Met Glu Ile Ile Gln Leu Ala Ser Leu Asp
 80 85 90
 Ser Asp Pro Trp Val Leu Met Val Ala Asp Ile Leu Lys Ser Phe
 95 100 105
 Pro Asp Thr Gly Ser Leu Asn Leu Glu Leu Glu Glu Gln Asn Pro
 110 115 120
 Asn Val Gln Asp Ile Leu Gly Glu Leu Arg Glu Lys Val Gly Glu
 125 130 135
 Cys Glu Ala Ser Ala Met Leu Pro Leu Glu Cys Gln Tyr Leu Asn
 140 145 150
 Lys Asn Ala Ala Asp Asp Pro Arg Gly Thr Pro His Ser Pro Gly
 155 160 165

<210> 15
 <211> 199
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 5218248CD1

<400> 15
 Met Ser Asn Met Glu Lys His Leu Phe Asn Leu Lys Phe Ala Ala
 1 5 10 15
 Lys Glu Leu Ser Arg Ser Ala Lys Lys Cys Asp Lys Glu Glu Lys
 20 25 30
 Ala Glu Lys Ala Lys Ile Lys Lys Ala Ile Gln Lys Gly Asn Met
 35 40 45
 Glu Val Ala Arg Ile His Ala Glu Asn Ala Ile Arg Gln Lys Asn
 50 55 60
 Gln Ala Val Asn Phe Leu Arg Met Ser Ala Arg Val Asp Ala Val
 65 70 75
 Ala Ala Arg Val Gln Thr Ala Val Thr Met Gly Lys Val Thr Lys
 80 85 90
 Ser Met Ala Gly Val Val Lys Ser Met Asp Ala Thr Leu Lys Thr
 95 100 105
 Met Asn Leu Glu Lys Ile Ser Ala Leu Met Asp Lys Phe Glu His
 110 115 120
 Gln Phe Glu Thr Leu Asp Val Gln Thr Gln Gln Met Glu Asp Thr
 125 130 135
 Met Ser Ser Thr Thr Thr Leu Thr Thr Pro Gln Asn Gln Val Asp
 140 145 150
 Met Leu Leu Gln Glu Met Ala Asp Glu Ala Gly Leu Asp Leu Asn
 155 160 165
 Met Glu Leu Pro Gln Gly Gln Thr Gly Ser Val Gly Thr Ser Val
 170 175 180
 Ala Ser Ala Glu Gln Asp Glu Leu Ser Gln Arg Leu Ala Arg Leu

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Cys Phe Ala Val Ile Val Ser Ala Lys Arg Ala Val Glu Arg His
 125 130 135
 Glu Ser Leu Thr Ser Trp Asn Leu Ala Lys Lys Ala Lys Trp Arg
 140 145 150
 Glu Glu Ala Ala Leu Ala Ala Gln Ala Lys Ala Lys
 155 160

<210> 18
 <211> 246
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 1638819CD1

<400> 18
 Met Ala Gly Tyr Leu Lys Leu Val Cys Val Ser Phe Gln Arg Gln
 1 5 10 15
 Gly Phe His Thr Val Gly Ser Arg Cys Lys Asn Arg Thr Gly Ala
 20 25 30
 Glu His Leu Trp Leu Thr Arg His Leu Arg Asp Pro Phe Val Lys
 35 40 45
 Ala Ala Lys Val Glu Ser Tyr Arg Cys Arg Ser Ala Phe Lys Leu
 50 55 60
 Leu Glu Val Asn Glu Arg His Gln Ile Leu Arg Pro Gly Leu Arg
 65 70 75
 Val Leu Asp Cys Gly Ala Ala Pro Gly Ala Trp Ser Gln Val Ala
 80 85 90
 Val Gln Lys Val Asn Ala Ala Gly Thr Asp Pro Ser Ser Pro Val
 95 100 105
 Gly Phe Val Leu Gly Val Asp Leu Leu His Ile Phe Pro Leu Glu
 110 115 120
 Gly Ala Thr Phe Leu Cys Pro Ala Asp Val Thr Asp Pro Arg Thr
 125 130 135
 Ser Gln Arg Ile Leu Glu Val Leu Pro Gly Arg Arg Ala Asp Val
 140 145 150
 Ile Leu Ser Asp Met Ala Pro Asn Ala Thr Gly Phe Arg Asp Leu
 155 160 165
 Asp His Asp Arg Leu Ile Ser Leu Cys Leu Thr Leu Leu Ser Val
 170 175 180
 Thr Pro Asp Ile Leu Gln Pro Gly Gly Thr Phe Leu Cys Lys Thr
 185 190 195
 Trp Ala Gly Ser Gln Ser Arg Arg Leu Gln Arg Arg Leu Thr Glu
 200 205 210
 Glu Phe Gln Asn Val Arg Ile Ile Lys Pro Glu Ala Ser Arg Lys
 215 220 225
 Glu Ser Ser Glu Val Tyr Phe Leu Ala Thr Gln Tyr His Gly Arg
 230 235 240
 Lys Gly Thr Val Lys Gln
 245

<210> 19
 <211> 483
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 1655123CD1

<400> 19
 Met Glu Glu Gly Gly Gly Val Arg Ser Leu Val Pro Gly Gly
 1 5 10 15
 Pro Val Leu Leu Val Leu Cys Gly Leu Leu Glu Ala Ser Gly Gly

	20		25		30
Gly Arg Ala Leu	Pro Gln Leu Ser Asp	Asp Ile Pro Phe Arg	Val		
	35	40		45	
Asn Trp Pro Gly	Thr Glu Phe Ser Leu	Pro Thr Thr Gly Val	Leu		
	50	55		60	
Tyr Lys Glu Asp	Asn Tyr Val Ile Met	Thr Thr Ala His Lys	Glu		
	65	70		75	
Lys Tyr Lys Cys	Ile Leu Pro Leu Val	Thr Ser Gly Asp Glu	Glu		
	80	85		90	
Glu Glu Lys Asp	Tyr Lys Gly Pro Asn	Pro Arg Glu Leu Leu	Glu		
	95	100		105	
Pro Leu Phe Lys	Gln Ser Ser Cys Ser	Tyr Arg Ile Glu Ser	Tyr		
	110	115		120	
Trp Thr Tyr Glu	Val Cys His Gly Lys	His Ile Arg Gln Tyr	His		
	125	130		135	
Glu Glu Lys Glu	Thr Gly Gln Lys Ile	Asn Ile His Glu Tyr	Tyr		
	140	145		150	
Leu Gly Asn Met	Leu Ala Lys Asn Leu	Leu Phe Glu Lys Glu	Arg		
	155	160		165	
Glu Ala Glu Glu	Lys Glu Lys Ser Asn	Glu Ile Pro Thr Lys	Asn		
	170	175		180	
Ile Glu Gly Gln	Met Thr Pro Tyr Tyr	Pro Val Gly Met Gly	Asn		
	185	190		195	
Gly Thr Pro Cys	Ser Leu Lys Gln Asn	Arg Pro Arg Ser Ser	Thr		
	200	205		210	
Val Met Tyr Ile	Cys His Pro Glu Ser	Lys His Glu Ile Leu	Ser		
	215	220		225	
Val Ala Glu Val	Thr Thr Cys Glu Tyr	Glu Val Val Ile Leu	Thr		
	230	235		240	
Pro Leu Leu Cys	Ser His Pro Lys Tyr	Arg Phe Arg Ala Ser	Pro		
	245	250		255	
Val Asn Asp Ile	Phe Cys Gln Ser Leu	Pro Gly Ser Pro Phe	Lys		
	260	265		270	
Pro Leu Thr Leu	Arg Gln Leu Glu Gln	Gln Glu Glu Ile Leu	Arg		
	275	280		285	
Val Pro Phe Arg	Arg Asn Lys Glu Glu	Asp Leu Gln Ser Thr	Lys		
	290	295		300	
Glu Glu Arg Phe	Pro Ala Ile His Lys	Ser Ile Ala Ile Gly	Ser		
	305	310		315	
Gln Pro Val Leu	Thr Val Gly Thr Thr	His Ile Ser Lys Leu	Thr		
	320	325		330	
Asp Asp Gln Leu	Ile Lys Glu Phe Leu	Ser Gly Ser Tyr Cys	Phe		
	335	340		345	
Arg Gly Gly Val	Gly Trp Trp Lys Tyr	Glu Phe Cys Tyr Gly	Lys		
	350	355		360	
His Val His Gln	Tyr His Glu Asp Lys	Asp Ser Gly Lys Thr	Ser		
	365	370		375	
Val Val Val Gly	Thr Trp Asn Gln Glu	Glu His Ile Glu Trp	Ala		
	380	385		390	
Lys Lys Asn Thr	Ala Arg Ala Tyr His	Leu Gln Asp Asp Gly	Thr		
	395	400		405	
Gln Thr Val Arg	Met Val Ser His Phe	Tyr Gly Asn Gly Asp	Ile		
	410	415		420	
Cys Asp Ile Thr	Asp Lys Pro Arg Gln	Val Thr Val Lys Leu	Lys		
	425	430		435	
Cys Lys Glu Ser	Asp Ser Pro His Ala	Val Thr Val Tyr Met	Leu		
	440	445		450	
Glu Pro His Ser	Cys Gln Tyr Ile Leu	Gly Val Glu Ser Pro	Val		
	455	460		465	
Ile Cys Lys Ile	Leu Asp Thr Ala Asp	Glu Asn Gly Leu Leu	Ser		
	470	475		480	
Leu Pro Asn					

<210> 20
 <211> 280
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 2553926CD1

<400> 20
 Met Glu Ala Ala Glu Thr Glu Ala Glu Ala Ala Ala Leu Glu Val
 1 5 10 15
 Leu Ala Glu Val Ala Gly Ile Leu Glu Pro Val Gly Leu Gln Glu
 20 25 30
 Glu Ala Glu Leu Pro Ala Lys Ile Leu Val Glu Phe Val Val Asp
 35 40 45
 Ser Gln Lys Lys Asp Lys Leu Leu Cys Ser Gln Leu Gln Val Ala
 50 55 60
 Asp Phe Leu Gln Asn Ile Leu Ala Gln Glu Asp Thr Ala Lys Gly
 65 70 75
 Leu Asp Pro Leu Ala Ser Glu Asp Thr Ser Arg Gln Lys Ala Ile
 80 85 90
 Ala Ala Lys Glu Gln Trp Lys Glu Leu Lys Ala Thr Tyr Arg Glu
 95 100 105
 His Val Glu Ala Ile Lys Ile Gly Leu Thr Lys Ala Leu Thr Gln
 110 115 120
 Met Glu Glu Ala Gln Arg Lys Arg Thr Gln Leu Arg Glu Ala Phe
 125 130 135
 Glu Gln Leu Gln Ala Lys Lys Gln Met Ala Met Glu Lys Arg Arg
 140 145 150
 Ala Val Gln Asn Gln Trp Gln Leu Gln Gln Glu Lys His Leu Gln
 155 160 165
 His Leu Ala Glu Val Ser Ala Glu Val Arg Glu Arg Lys Thr Gly
 170 175 180
 Thr Gln Gln Glu Leu Asp Gly Val Phe Gln Lys Leu Gly Asn Leu
 185 190 195
 Lys Gln Gln Ala Glu Gln Glu Arg Asp Lys Leu Gln Arg Tyr Gln
 200 205 210
 Thr Phe Leu Gln Leu Leu Tyr Thr Leu Gln Gly Lys Leu Leu Phe
 215 220 225
 Pro Glu Ala Glu Ala Glu Ala Glu Asn Leu Pro Asp Asp Lys Pro
 230 235 240
 Gln Gln Pro Thr Arg Pro Gln Glu Gln Ser Thr Gly Asp Thr Met
 245 250 255
 Gly Arg Asp Pro Gly Val Ser Phe Lys Phe Ser Lys Ala Val Gly
 260 265 270
 Leu Gln Pro Ala Gly Asp Val Asn Leu Pro
 275 280

<210> 21
 <211> 425
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 2800717CD1

<400> 21
 Met Gly Glu Asp Ala Ala Gln Ala Glu Lys Phe Gln His Pro Gly
 1 5 10 15
 Ser Asp Met Arg Gln Glu Lys Pro Ser Ser Pro Ser Pro Met Pro
 20 25 30
 Ser Ser Thr Pro Ser Pro Ser Leu Asn Leu Gly Asn Thr Glu Glu

Ala	Ile	Arg	Asp	35	Asn	Ser	Gln	Val	Asn	40	Ala	Val	Thr	Val	Leu	Thr	45
				50						55							60
Leu	Leu	Asp	Lys	65	Leu	Val	Asn	Met	Leu	70	Asp	Ala	Val	Gln	Glu	Asn	75
Gln	His	Lys	Met	80	Glu	Gln	Arg	Gln	Ile	85	Ser	Leu	Glu	Gly	Ser	Val	90
Lys	Gly	Ile	Gln	95	Asn	Asp	Leu	Thr	Lys	100	Leu	Ser	Lys	Tyr	Gln	Ala	105
Ser	Thr	Ser	Asn	110	Thr	Val	Ser	Lys	Leu	115	Leu	Glu	Lys	Ser	Arg	Lys	120
Val	Ser	Ala	His	125	Thr	Arg	Ala	Val	Lys	130	Glu	Arg	Met	Asp	Arg	Gln	135
Cys	Ala	Gln	Val	140	Lys	Arg	Leu	Glu	Asn	145	Asn	His	Ala	Gln	Leu	Leu	150
Arg	Arg	Asn	His	155	Phe	Lys	Val	Leu	Ile	160	Phe	Gln	Glu	Glu	Asn	Glu	165
Ile	Pro	Ala	Ser	170	Val	Phe	Val	Lys	Gln	175	Pro	Val	Ser	Gly	Ala	Val	180
Glu	Gly	Lys	Glu	185	Glu	Leu	Pro	Asp	Glu	190	Asn	Lys	Ser	Leu	Glu	Glu	195
Thr	Leu	His	Thr	200	Val	Asp	Leu	Ser	Ser	205	Asp	Asp	Asp	Leu	Pro	His	210
Asp	Glu	Glu	Ala	215	Leu	Glu	Asp	Ser	Ala	220	Glu	Glu	Lys	Val	Glu	Glu	225
Ser	Arg	Ala	Glu	230	Lys	Ile	Lys	Arg	Ser	235	Ser	Leu	Lys	Lys	Val	Asp	240
Ser	Leu	Lys	Lys	245	Ala	Phe	Ser	Arg	Gln	250	Asn	Ile	Glu	Lys	Lys	Met	255
Asn	Lys	Leu	Gly	260	Thr	Lys	Ile	Val	Ser	265	Val	Glu	Arg	Arg	Glu	Lys	270
Ile	Lys	Lys	Ser	275	Leu	Thr	Ser	Asn	His	280	Gln	Lys	Ile	Ser	Ser	Gly	285
Lys	Ser	Ser	Pro	290	Phe	Lys	Val	Ser	Pro	295	Leu	Thr	Phe	Gly	Arg	Lys	300
Lys	Val	Arg	Glu	305	Gly	Glu	Ser	His	Ala	310	Glu	Asn	Glu	Thr	Lys	Ser	315
Glu	Asp	Leu	Pro	320	Ser	Ser	Glu	Gln	Met	325	Pro	Asn	Asp	Gln	Glu	Glu	330
Glu	Ser	Phe	Ala	335	Glu	Gly	His	Ser	Glu	340	Ala	Ser	Leu	Ala	Ser	Ala	345
Leu	Val	Glu	Gly	350	Glu	Ile	Ala	Glu	Glu	355	Ala	Ala	Glu	Lys	Ala	Thr	360
Ser	Arg	Gly	Ser	365	Asn	Ser	Gly	Met	Asp	370	Ser	Asn	Ile	Asp	Leu	Thr	375
Ile	Val	Glu	Asp	380	Glu	Glu	Glu	Ser	Val	385	Val	Ala	Leu	Glu	Gln	Ala	390
Gln	Lys	Val	Arg	395	Tyr	Glu	Gly	Ser	Tyr	400	Ala	Leu	Thr	Ser	Glu	Glu	405
Ala	Glu	Arg	Ser	410	Asp	Gly	Asp	Pro	Val	415	Gln	Pro	Ala	Val	Leu	Gln	420
Val	His	Gln	Thr	425	Ser												

<210> 22

<211> 128

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 5664154CD1

<400> 22

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Met Glu Ser Lys Glu Glu Arg Ala Leu Asn Asn Leu Ile Val Glu
 1          5          10          15
Asn Val Asn Gln Glu Asn Asp Glu Lys Asp Glu Lys Glu Gln Val
          20          25          30
Ala Asn Lys Gly Glu Pro Leu Ala Leu Pro Leu Asn Val Ser Glu
          35          40          45
Tyr Cys Val Pro Arg Gly Asn Arg Arg Arg Phe Arg Val Arg Gln
          50          55          60
Pro Ile Leu Gln Tyr Arg Trp Asp Ile Met His Arg Leu Gly Glu
          65          70          75
Pro Gln Ala Arg Met Arg Glu Glu Asn Met Glu Arg Ile Gly Glu
          80          85          90
Glu Val Arg Gln Leu Met Glu Lys Leu Arg Glu Lys Gln Leu Ser
          95          100          105
His Ser Leu Arg Ala Val Ser Thr Asp Pro Pro His His Asp His
          110          115          120
His Asp Glu Phe Cys Leu Met Pro
          125

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<210> 23
<211> 113
<212> PRT
<213> Homo sapiens

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<220>
<221> misc_feature
<223> Incyte ID No: 017900CD1

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<400> 23
Met Asp Gly Arg Val Gln Leu Ile Lys Ala Leu Leu Ala Leu Pro
 1          5          10          15
Ile Arg Pro Ala Thr Arg Arg Trp Arg Asn Pro Ile Pro Phe Pro
          20          25          30
Glu Thr Phe Asp Gly Asp Thr Asp Arg Leu Pro Glu Phe Ile Val
          35          40          45
Gln Thr Gly Ser Tyr Met Phe Val Asp Glu Asn Thr Phe Ser Ser
          50          55          60
Asp Ala Leu Lys Val Thr Phe Leu Ile Thr Arg Leu Thr Gly Pro
          65          70          75
Ala Leu Gln Trp Val Ile Pro Tyr Ile Lys Lys Glu Ser Pro Leu
          80          85          90
Leu Asn Asp Tyr Arg Gly Phe Leu Ala Glu Met Lys Arg Val Phe
          95          100          105
Gly Trp Glu Glu Asp Glu Asp Phe
          110

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<210> 24
<211> 308
<212> PRT
<213> Homo sapiens

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<220>
<221> misc_feature
<223> Incyte ID No: 035102CD1

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```

<400> 24
Met Leu Gln Thr Pro Glu Ser Arg Gly Leu Pro Val Pro Gln Ala
 1          5          10          15
Glu Gly Glu Lys Asp Gly Gly His Asp Gly Glu Thr Arg Ala Pro
          20          25          30
Thr Ala Ser Gln Glu Arg Pro Lys Glu Glu Leu Gly Ala Gly Arg
          35          40          45
Glu Glu Gly Ala Ala Glu Pro Ala Leu Thr Arg Lys Gly Ala Arg
          50          55          60
Ala Leu Ala Ala Lys Ser Leu Ala Arg Arg Arg Ala Tyr Arg Arg

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        65              70              75
Leu Asn Arg Thr Val Ala Glu Leu Val Gln Phe Leu Leu Val Lys
        80              85              90
Asp Lys Lys Lys Ser Pro Ile Thr Arg Ser Glu Met Val Lys Tyr
        95              100             105
Val Ile Gly Asp Leu Lys Ile Leu Phe Pro Asp Ile Ile Ala Arg
       110             115             120
Ala Ala Glu His Leu Arg Tyr Val Phe Gly Phe Glu Leu Lys Gln
       125             130             135
Phe Asp Arg Lys His His Thr Tyr Ile Leu Ile Asn Lys Leu Lys
       140             145             150
Pro Leu Glu Glu Glu Glu Glu Glu Asp Leu Gly Gly Asp Gly
       155             160             165
Pro Arg Leu Gly Leu Leu Met Met Ile Leu Gly Leu Ile Tyr Met
       170             175             180
Arg Gly Asn Ser Ala Arg Glu Ala Gln Val Trp Glu Met Leu Arg
       185             190             195
Arg Leu Gly Val Gln Pro Ser Lys Tyr His Phe Leu Phe Gly Tyr
       200             205             210
Pro Lys Arg Leu Ile Met Glu Asp Phe Val Gln Gln Arg Tyr Leu
       215             220             225
Ser Tyr Arg Arg Val Pro His Thr Asn Pro Pro Ala Tyr Glu Phe
       230             235             240
Ser Trp Gly Pro Arg Ser Asn Leu Glu Ile Ser Lys Met Glu Val
       245             250             255
Leu Gly Phe Val Ala Lys Leu His Lys Lys Glu Pro Gln His Trp
       260             265             270
Pro Val Gln Tyr Arg Glu Ala Leu Ala Asp Glu Ala Asp Arg Ala
       275             280             285
Arg Ala Lys Ala Arg Ala Glu Ala Ser Met Arg Ala Arg Ala Ser
       290             295             300
Ala Arg Ala Gly Ile His Leu Trp
        305

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<210> 25

<211> 221

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 259983CD1

<400> 25

```

Met Phe Gly Phe His Lys Pro Lys Met Tyr Arg Ser Ile Glu Gly
   1              5              10              15
Cys Cys Ile Cys Arg Ala Lys Ser Ser Ser Arg Phe Thr Asp
   20             25             30
Ser Lys Arg Tyr Glu Lys Asp Phe Gln Ser Cys Phe Gly Leu His
   35             40             45
Glu Thr Arg Ser Gly Asp Ile Cys Asn Ala Cys Val Leu Leu Val
   50             55             60
Lys Arg Trp Lys Lys Leu Pro Ala Gly Ser Lys Lys Asn Trp Asn
   65             70             75
His Val Val Asp Ala Arg Ala Gly Pro Ser Leu Lys Thr Thr Leu
   80             85             90
Lys Pro Lys Lys Val Lys Thr Leu Ser Gly Asn Arg Ile Lys Ser
   95            100            105
Asn Gln Ile Ser Lys Leu Gln Lys Glu Phe Lys Arg His Asn Ser
  110            115            120
Asp Ala His Ser Thr Thr Ser Ser Ala Ser Pro Ala Gln Ser Pro
  125            130            135
Cys Tyr Ser Asn Gln Ser Asp Asp Gly Ser Asp Thr Glu Met Ala
  140            145            150

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Ser Gly Ser Asn Arg Thr Pro Val Phe Ser Phe Leu Asp Leu Thr
 155 160 165
 Tyr Trp Lys Arg Gln Lys Ile Cys Cys Gly Ile Ile Tyr Lys Gly
 170 175 180
 Arg Phe Gly Glu Val Leu Ile Asp Thr His Leu Phe Lys Pro Cys
 185 190 195
 Cys Ser Asn Lys Lys Ala Ala Ala Glu Lys Pro Glu Glu Gln Gly
 200 205 210
 Pro Glu Pro Leu Pro Ile Ser Thr Gln Glu Trp
 215 220

<210> 26

<211> 402

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 926810CD1

<400> 26

Met Ala Ser Ile Ile Ala Arg Val Gly Asn Ser Arg Arg Leu Asn
 1 5 10 15
 Ala Pro Leu Pro Pro Trp Ala His Ser Met Leu Arg Ser Leu Gly
 20 25 30
 Arg Ser Leu Gly Pro Ile Met Ala Ser Met Ala Asp Arg Asn Met
 35 40 45
 Lys Leu Phe Ser Gly Arg Val Val Pro Ala Gln Gly Glu Glu Thr
 50 55 60
 Phe Glu Asn Trp Leu Thr Gln Val Asn Gly Val Leu Pro Asp Trp
 65 70 75
 Asn Met Ser Glu Glu Glu Lys Leu Lys Arg Leu Met Lys Thr Leu
 80 85 90
 Arg Gly Pro Ala Arg Glu Val Met Arg Val Leu Gln Ala Thr Asn
 95 100 105
 Pro Asn Leu Ser Val Ala Asp Phe Leu Arg Ala Met Lys Leu Val
 110 115 120
 Phe Gly Glu Ser Glu Ser Ser Val Thr Ala His Gly Lys Phe Phe
 125 130 135
 Asn Thr Leu Gln Ala Gln Gly Glu Lys Ala Ser Leu Tyr Val Ile
 140 145 150
 Arg Leu Glu Val Gln Leu Gln Asn Ala Ile Gln Ala Gly Ile Ile
 155 160 165
 Ala Glu Lys Asp Ala Asn Arg Thr Arg Leu Gln Gln Leu Leu Leu
 170 175 180
 Gly Gly Glu Leu Ser Arg Asp Leu Arg Leu Arg Leu Lys Asp Phe
 185 190 195
 Leu Arg Met Tyr Ala Asn Glu Gln Glu Arg Leu Pro Asn Phe Leu
 200 205 210
 Glu Leu Ile Arg Met Val Arg Glu Glu Glu Asp Trp Asp Asp Ala
 215 220 225
 Phe Ile Lys Arg Lys Arg Pro Lys Arg Ser Glu Ser Met Val Glu
 230 235 240
 Arg Ala Val Ser Pro Val Ala Phe Gln Gly Ser Pro Pro Ile Val
 245 250 255
 Ile Gly Ser Ala Asp Cys Asn Val Ile Glu Ile Asp Asp Thr Leu
 260 265 270
 Asp Asp Ser Asp Glu Asp Val Ile Leu Val Glu Ser Gln Asp Pro
 275 280 285
 Pro Leu Pro Ser Trp Gly Ala Pro Pro Leu Arg Asp Arg Ala Arg
 290 295 300
 Pro Gln Asp Glu Val Leu Val Ile Asp Ser Pro His Asn Ser Arg
 305 310 315
 Ala Gln Phe Pro Ser Thr Ser Gly Gly Ser Gly Tyr Lys Asn Asn

	320		325		330									
Gly	Pro	Gly	Glu	Met	Arg	Arg	Ala	Arg	Lys	Arg	Lys	His	Thr	Ile
	335		340		345									
Arg	Cys	Ser	Tyr	Cys	Gly	Glu	Glu	Gly	His	Ser	Lys	Glu	Thr	Cys
	350		355		360									
Asp	Asn	Glu	Ser	Asp	Lys	Ala	Gln	Val	Phe	Glu	Asn	Leu	Ile	Ile
	365		370		375									
Thr	Leu	Gln	Glu	Leu	Thr	His	Thr	Glu	Met	Glu	Arg	Ser	Arg	Val
	380		385		390									
Ala	Pro	Gly	Glu	Tyr	Asn	Asp	Phe	Ser	Glu	Pro	Leu			
	395		400											

<210> 27

<211> 93

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1398816CD1

<400> 27

Met	Ser	Thr	Asp	Thr	Gly	Val	Ser	Leu	Pro	Ser	Tyr	Glu	Glu	Asp
1				5					10					15
Gln	Gly	Ser	Lys	Leu	Ile	Arg	Lys	Ala	Lys	Glu	Ala	Pro	Phe	Val
				20					25					30
Pro	Val	Gly	Ile	Ala	Gly	Phe	Ala	Ala	Ile	Val	Ala	Tyr	Gly	Leu
				35					40					45
Tyr	Lys	Leu	Lys	Ser	Arg	Gly	Asn	Thr	Lys	Met	Ser	Ile	His	Leu
				50					55					60
Ile	His	Met	Arg	Val	Ala	Ala	Gln	Gly	Phe	Val	Val	Gly	Ala	Met
				65					70					75
Thr	Val	Gly	Met	Gly	Tyr	Ser	Met	Tyr	Arg	Glu	Phe	Trp	Ala	Lys
				80					85					90
Pro	Lys	Pro												

<210> 28

<211> 353

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1496820CD1

<400> 28

Met	Asn	Arg	Glu	Asp	Arg	Asn	Val	Leu	Arg	Met	Lys	Glu	Arg	Glu
1				5					10					15
Arg	Arg	Asn	Gln	Glu	Ile	Gln	Gln	Gly	Glu	Asp	Ala	Phe	Pro	Pro
				20					25					30
Ser	Ser	Pro	Leu	Phe	Ala	Glu	Pro	Tyr	Lys	Val	Thr	Ser	Lys	Glu
				35					40					45
Asp	Lys	Leu	Ser	Ser	Arg	Ile	Gln	Ser	Met	Leu	Gly	Asn	Tyr	Asp
				50					55					60
Glu	Met	Lys	Asp	Phe	Ile	Gly	Asp	Arg	Ser	Ile	Pro	Lys	Leu	Val
				65					70					75
Ala	Ile	Pro	Lys	Pro	Thr	Val	Pro	Pro	Ser	Ala	Asp	Glu	Lys	Ser
				80					85					90
Asn	Pro	Asn	Phe	Phe	Glu	Gln	Arg	His	Gly	Gly	Ser	His	Gln	Ser
				95					100					105
Ser	Lys	Trp	Thr	Pro	Val	Gly	Pro	Ala	Pro	Ser	Thr	Ser	Gln	Ser
				110					115					120
Gln	Lys	Arg	Ser	Ser	Gly	Leu	Gln	Ser	Gly	His	Ser	Ser	Gln	Arg
				125					130					135

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Thr Ser Ala Gly Ser Ser Ser Gly Thr Asn Ser Ser Gly Gln Arg
140 145 150
His Asp Arg Glu Ser Tyr Asn Asn Ser Gly Ser Ser Ser Arg Lys
155 160 165
Lys Gly Gln His Gly Ser Glu His Ser Lys Ser Arg Ser Ser Ser
170 175 180
Pro Gly Lys Pro Gln Ala Val Ser Ser Leu Asn Ser Ser His Ser
185 190 195
Arg Ser His Gly Asn Asp His His Ser Lys Glu His Gln Arg Ser
200 205 210
Lys Ser Pro Arg Asp Pro Asp Ala Asn Trp Asp Ser Pro Ser Arg
215 220 225
Val Pro Phe Ser Ser Gly Gln His Ser Thr Gln Ser Phe Pro Pro
230 235 240
Ser Leu Met Ser Lys Ser Asn Ser Met Leu Gln Lys Pro Thr Ala
245 250 255
Tyr Val Arg Pro Met Asp Gly Gln Glu Ser Met Glu Pro Lys Leu
260 265 270
Ser Ser Glu His Tyr Ser Ser Gln Ser His Gly Asn Ser Met Thr
275 280 285
Glu Leu Lys Pro Ser Ser Lys Ala His Leu Thr Lys Leu Lys Ile
290 295 300
Pro Ser Gln Pro Leu Asp Ala Ser Ala Ser Gly Asp Val Ser Cys
305 310 315
Val Asp Glu Ile Leu Lys Glu Met Thr His Ser Trp Pro Pro Pro
320 325 330
Leu Thr Ala Ile His Thr Pro Cys Lys Thr Glu Pro Ser Lys Phe
335 340 345
Pro Phe Pro Thr Lys Val Ser Lys
350

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<210> 29

<211> 120

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1514559CD1

<400> 29

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Met Ser Glu Pro Ala Gly Asp Val Arg Gln Asn Pro Cys Gly Ser
1 5 10 15
Lys Ala Cys Arg Arg Leu Phe Gly Pro Val Asp Ser Glu Gln Leu
20 25 30
Ser Arg Asp Cys Asp Ala Leu Met Ala Gly Cys Ile Gln Glu Ala
35 40 45
Arg Glu Arg Trp Asn Phe Asp Phe Val Thr Glu Thr Pro Leu Glu
50 55 60
Gly Asp Phe Ala Trp Glu Arg Val Arg Gly Leu Gly Leu Pro Lys
65 70 75
Leu Tyr Leu Pro Thr Trp Ser Ala Gly Trp Tyr Pro Leu Glu Gly
80 85 90
Cys Gly Ser Phe Pro Ser Leu Ser Gln Ala Val Met Lys Phe Thr
95 100 105
Pro Phe Pro Gly His Ser Asp Leu Asn Ser Phe Ser Phe Glu Lys
110 115 120

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<210> 30

<211> 144

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1620092CD1

<400> 30

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Met Arg Ser Cys Phe Arg Leu Cys Glu Arg Asp Val Ser Ser Ser
 1          5          10          15
Leu Arg Leu Thr Arg Ser Ser Asp Leu Lys Arg Ile Asn Gly Phe
 20          25          30
Cys Thr Lys Pro Gln Glu Ser Pro Gly Ala Pro Ser Arg Thr Tyr
 35          40          45
Asn Arg Val Pro Leu His Lys Pro Thr Asp Trp Gln Lys Lys Ile
 50          55          60
Leu Ile Trp Ser Gly Arg Phe Lys Lys Glu Asp Glu Ile Pro Glu
 65          70          75
Thr Val Ser Leu Glu Met Leu Asp Ala Ala Lys Asn Lys Met Arg
 80          85          90
Val Lys Ile Ser Tyr Leu Met Ile Ala Leu Thr Val Val Gly Cys
 95          100          105
Ile Phe Met Val Ile Glu Gly Lys Lys Ala Ala Gln Arg His Glu
 110          115          120
Thr Leu Thr Ser Leu Asn Leu Glu Lys Lys Ala Arg Leu Lys Glu
 125          130          135
Glu Ala Ala Met Lys Ala Lys Thr Glu
 140

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<210> 31

<211> 933

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1678765CD1

<400> 31

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Met Phe Tyr Leu Glu Asp Asp Lys Glu Asp Glu Val Val Cys Lys
 1          5          10          15
Gly Ser Leu Ser Lys Thr Gln Asp Val Tyr His Asp Lys Ser Pro
 20          25          30
Pro Gly Ile Leu Ser Gln Thr Met Asn Tyr Val Gly Gln Leu Ala
 35          40          45
Gly Gln Val Ile Val Thr Val Lys Glu Leu Tyr Lys Gly Ile Asn
 50          55          60
Gln Ala Thr Leu Ser Gly Cys Ile Asp Val Ile Val Val Gln Gln
 65          70          75
Gln Asp Gly Ser Tyr Gln Cys Ser Pro Phe His Val Arg Phe Gly
 80          85          90
Lys Leu Gly Val Leu Arg Ser Lys Glu Lys Val Ile Asp Ile Glu
 95          100          105
Ile Asn Gly Ser Ala Val Asp Leu His Met Lys Leu Gly Asp Asn
 110          115          120
Gly Glu Ala Phe Phe Val Glu Glu Thr Glu Glu Glu Tyr Glu Lys
 125          130          135
Leu Pro Ala Tyr Leu Ala Thr Ser Pro Ile Pro Thr Glu Asp Gln
 140          145          150
Phe Phe Lys Asp Ile Asp Thr Pro Leu Val Lys Ser Gly Gly Asp
 155          160          165
Glu Thr Pro Ser Gln Ser Ser Asp Ile Ser His Val Leu Glu Thr
 170          175          180
Glu Thr Ile Phe Thr Pro Ser Ser Val Lys Lys Lys Lys Arg Arg
 185          190          195
Arg Lys Lys Tyr Lys Gln Asp Ser Lys Lys Glu Glu Gln Ala Ala
 200          205          210
Ser Ala Ala Ala Glu Asp Thr Cys Asp Val Gly Val Ser Ser Asp

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	215		220		225
Asp Asp Lys Gly	Ala Gln Ala Ala Arg	Gly Ser Ser Asn Ala Ser			
	230		235		240
Leu Lys Glu Glu	Glu Cys Lys Glu Pro	Leu Leu Phe His Ser Gly			
	245		250		255
Asp His Tyr Pro	Leu Ser Asp Gly Asp	Trp Ser Pro Leu Glu Thr			
	260		265		270
Thr Tyr Pro Gln	Thr Ala Cys Pro Lys	Ser Asp Ser Glu Leu Glu			
	275		280		285
Val Lys Pro Ala	Glu Ser Leu Leu Arg	Ser Glu Tyr His Met Glu			
	290		295		300
Trp Thr Trp Gly	Gly Phe Pro Glu Ser	Thr Lys Val Ser Lys Arg			
	305		310		315
Glu Arg Ser Asp	His His Pro Arg Thr	Ala Thr Ile Thr Pro Ser			
	320		325		330
Glu Asn Thr His	Phe Arg Val Ile Pro	Ser Glu Asp Asn Leu Ile			
	335		340		345
Ser Glu Val Glu	Lys Asp Ala Ser Met	Glu Asp Thr Val Cys Thr			
	350		355		360
Ile Val Lys Pro	Lys Pro Arg Ala Leu	Gly Thr Gln Met Ser Asp			
	365		370		375
Pro Thr Ser Val	Ala Glu Leu Leu Glu	Pro Pro Leu Glu Ser Thr			
	380		385		390
Gln Ile Ser Ser	Met Leu Asp Ala Asp	His Leu Pro Asn Ala Ala			
	395		400		405
Leu Ala Glu Ala	Pro Ser Glu Ser Lys	Pro Ala Ala Lys Val Asp			
	410		415		420
Ser Pro Ser Lys	Lys Lys Gly Val His	Lys Arg Ile Gln His Gln			
	425		430		435
Gly Pro Asp Asp	Ile Tyr Leu Asp Asp	Leu Lys Gly Leu Glu Pro			
	440		445		450
Glu Val Ala Ala	Leu Tyr Phe Pro Lys	Ser Glu Ser Glu Pro Gly			
	455		460		465
Ser Arg Gln Trp	Pro Glu Ser Asp Thr	Leu Ser Gly Ser Gln Ser			
	470		475		480
Pro Gln Ser Val	Gly Ser Ala Ala Ala	Asp Ser Gly Thr Glu Cys			
	485		490		495
Leu Ser Asp Ser	Ala Met Asp Leu Pro	Asp Val Thr Leu Ser Leu			
	500		505		510
Cys Gly Gly Leu	Ser Glu Asn Gly Lys	Ile Ser Lys Glu Lys Phe			
	515		520		525
Met Glu His Ile	Ile Thr Tyr His Glu	Phe Ala Glu Asn Pro Gly			
	530		535		540
Leu Ile Asp Asn	Pro Asn Leu Val Ile	Arg Ile Tyr Asn Arg Tyr			
	545		550		555
Tyr Asn Trp Ala	Leu Ala Ala Pro Met	Ile Leu Ser Leu Gln Val			
	560		565		570
Phe Gln Lys Ser	Leu Pro Lys Ala Thr	Val Glu Ser Trp Val Lys			
	575		580		585
Asp Lys Met Pro	Lys Lys Ser Gly Arg	Trp Trp Phe Trp Arg Lys			
	590		595		600
Arg Glu Ser Met	Thr Lys Gln Leu Pro	Glu Ser Lys Glu Gly Lys			
	605		610		615
Ser Glu Ala Pro	Pro Ala Ser Asp Leu	Pro Ser Ser Ser Lys Glu			
	620		625		630
Pro Ala Gly Ala	Arg Pro Ala Glu Asn	Asp Ser Ser Ser Asp Glu			
	635		640		645
Gly Ser Gln Glu	Leu Glu Glu Ser Ile	Thr Val Asp Pro Ile Pro			
	650		655		660
Thr Glu Pro Leu	Ser His Gly Ser Thr	Thr Ser Tyr Lys Lys Ser			
	665		670		675
Leu Arg Leu Ser	Ser Asp Gln Ile Ala	Lys Leu Lys Leu His Asp			
	680		685		690

Gly Pro Asn Asp Val Val Phe Ser Ile Thr Thr Gln Tyr Gln Gly
 695 700 705
 Thr Cys Arg Cys Ala Gly Thr Ile Tyr Leu Trp Asn Trp Asn Asp
 710 715 720
 Lys Ile Ile Ile Ser Asp Ile Asp Gly Thr Ile Thr Lys Ser Asp
 725 730 735
 Ala Leu Gly Gln Ile Leu Pro Gln Leu Gly Lys Asp Trp Thr His
 740 745 750
 Gln Gly Ile Ala Lys Leu Tyr His Ser Ile Asn Glu Asn Gly Tyr
 755 760 765
 Lys Phe Leu Tyr Cys Ser Ala Arg Ala Ile Gly Met Ala Asp Met
 770 775 780
 Thr Arg Gly Tyr Leu His Trp Val Asn Asp Lys Gly Thr Ile Leu
 785 790 795
 Pro Arg Gly Pro Leu Met Leu Ser Pro Ser Ser Leu Phe Ser Ala
 800 805 810
 Phe His Arg Glu Val Ile Glu Lys Lys Pro Glu Lys Phe Lys Ile
 815 820 825
 Glu Cys Leu Asn Asp Ile Lys Asn Leu Phe Ala Pro Ser Lys Gln
 830 835 840
 Pro Phe Tyr Ala Ala Phe Gly Asn Arg Pro Asn Asp Val Tyr Ala
 845 850 855
 Tyr Thr Gln Val Gly Val Pro Asp Cys Arg Ile Phe Thr Val Asn
 860 865 870
 Pro Lys Gly Glu Leu Ile Gln Glu Arg Thr Lys Gly Asn Lys Ser
 875 880 885
 Ser Tyr His Arg Leu Ser Glu Leu Val Glu His Val Phe Pro Leu
 890 895 900
 Leu Ser Lys Glu Gln Asn Ser Ala Phe Pro Cys Pro Glu Phe Ser
 905 910 915
 Ser Phe Cys Tyr Trp Arg Asp Pro Ile Pro Glu Val Asp Leu Asp
 920 925 930
 Asp Leu Ser

<210> 32

<211> 268

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1708229CD1

<400> 32

Met Leu Gly Asp His Cys Ser Leu Pro Glu Asp Gln Ala Arg Pro
 1 5 10 15
 Gly Gln Ser Leu Gln Ser Gly Leu Cys Cys Lys Met Val Leu Gln
 20 25 30
 Ala Val Ser Lys Val Leu Arg Lys Ser Lys Ala Lys Pro Asn Gly
 35 40 45
 Lys Lys Pro Ala Ala Glu Glu Arg Lys Ala Tyr Leu Glu Pro Glu
 50 55 60
 His Thr Lys Ala Arg Ile Thr Asp Phe Gln Phe Lys Glu Leu Val
 65 70 75
 Val Leu Pro Arg Glu Ile Asp Leu Asn Glu Trp Leu Ala Ser Asn
 80 85 90
 Thr Thr Thr Phe Phe His His Ile Asn Leu Gln Tyr Ser Thr Ile
 95 100 105
 Ser Glu Phe Cys Thr Gly Glu Thr Cys Gln Thr Met Ala Val Cys
 110 115 120
 Asn Thr Gln Tyr Tyr Trp Tyr Asp Glu Arg Gly Lys Lys Val Lys
 125 130 135
 Cys Thr Ala Pro Gln Tyr Val Asp Phe Val Met Ser Ser Val Gln

Lys	Leu	Val	Thr	140	Asp	Glu	Asp	Val	Phe	145	Pro	Thr	Lys	Tyr	Gly	150	Arg
				155						160							165
Glu	Phe	Pro	Ser	170	Ser	Phe	Glu	Ser	Leu	175	Val	Arg	Lys	Ile	Cys	180	Arg
His	Leu	Phe	His	185	Val	Leu	Ala	His	Ile	190	Tyr	Trp	Ala	His	Phe	195	Lys
Glu	Thr	Leu	Ala	200	Leu	Glu	Leu	His	Gly	205	His	Leu	Asn	Thr	Leu	210	Tyr
Val	His	Phe	Ile	215	Leu	Phe	Ala	Arg	Glu	220	Phe	Asn	Leu	Leu	Asp	225	Pro
Lys	Glu	Thr	Ala	230	Ile	Met	Asp	Asp	Leu	235	Thr	Glu	Val	Leu	Cys	240	Ser
Gly	Ala	Gly	Gly	245	Val	His	Ser	Gly	Gly	250	Ser	Gly	Asp	Gly	Ala	255	Gly
Ser	Gly	Gly	Pro	260	Gly	Ala	Gln	Asn	His	265	Val	Lys	Glu	Arg			

<210> 33'

<211> 337

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1806454CD1

<400> 33

Met	Leu	Leu	Gly	Leu	Ala	Ala	Met	Glu	Leu	Lys	Val	Trp	Val	Asp			
1				5					10					15			
Gly	Ile	Gln	Arg	20	Val	Val	Cys	Gly	Val	25	Ser	Glu	Gln	Thr	Thr	Cys	
Gln	Glu	Val	Val	35	Ile	Ala	Leu	Ala	Gln	40	Ile	Gly	Gln	Thr	Gly		
Arg	Phe	Val	Leu	50	Val	Gln	Arg	Leu	Arg	55	Glu	Lys	Glu	Arg	Gln	Leu	
Leu	Pro	Gln	Glu	65	Cys	Pro	Val	Gly	Ala	70	Gln	Ala	Thr	Cys	Gly	Gln	
Phe	Ala	Ser	Asp	80	Val	Gln	Phe	Val	Leu	85	Arg	Arg	Thr	Gly	Pro	Ser	
Leu	Ala	Gly	Arg	95	Pro	Ser	Ser	Asp	Ser	100	Cys	Pro	Pro	Pro	Glu	Arg	
Cys	Leu	Ile	Arg	110	Ala	Ser	Leu	Pro	Val	115	Lys	Pro	Arg	Ala	Ala	Leu	
Gly	Cys	Glu	Pro	125	Arg	Lys	Thr	Leu	Thr	130	Pro	Glu	Pro	Ala	Pro	Ser	
Leu	Ser	Arg	Pro	140	Gly	Pro	Ala	Ala	Pro	145	Val	Thr	Pro	Thr	Pro	Gly	
Cys	Cys	Thr	Asp	155	Leu	Arg	Gly	Leu	Glu	160	Leu	Arg	Val	Gln	Arg	Asn	
Ala	Glu	Glu	Leu	170	Gly	His	Glu	Ala	Phe	175	Trp	Glu	Gln	Glu	Leu	Arg	
Arg	Glu	Gln	Ala	185	Arg	Glu	Arg	Glu	Gly	190	Gln	Ala	Arg	Leu	Gln	Ala	
Leu	Ser	Ala	Ala	200	Thr	Ala	Glu	His	Ala	205	Ala	Arg	Leu	Gln	Ala	Leu	
Asp	Ala	Gln	Ala	215	Arg	Ala	Leu	Glu	Ala	220	Glu	Leu	Gln	Leu	Ala	Ala	
Glu	Ala	Pro	Gly	230	Pro	Pro	Ser	Pro	Met	235	Ala	Ser	Ala	Thr	Glu	Arg	
Leu	His	Gln	Asp	245	Leu	Ala	Val	Gln	Glu	250	Arg	Gln	Ser	Ala	Glu	Val	
Gln	Gly	Ser	Leu	260	Ala	Leu	Val	Ser	Arg	265	Ala	Leu	Glu	Ala	Ala	Glu	

Arg Ala Leu Gln Ala Gln Ala Gln Glu Leu Glu Glu Leu Asn Arg
 275 280 285
 Glu Leu Arg Gln Cys Asn Leu Gln Gln Phe Ile Gln Gln Thr Gly
 290 295 300
 Ala Ala Leu Pro Pro Pro Arg Pro Asp Arg Gly Pro Pro Gly
 305 310 315
 Thr Gln Val Gly Val Val Leu Gly Gly Gly Trp Glu Val Arg Thr
 320 325 330
 Trp Pro Ser Pro Thr Pro Ser
 335

<210> 34

<211> 565

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1806850CD1

<400> 34

Met Lys Glu Glu Glu Glu Val Phe Gln Pro Met Leu Met Glu Tyr
 1 5 10 15
 Phe Thr Tyr Glu Glu Leu Lys Tyr Ile Lys Lys Lys Val Ile Ala
 20 25 30
 Gln His Cys Ser Gln Lys Asp Thr Ala Glu Leu Leu Arg Gly Leu
 35 40 45
 Ser Leu Trp Asn His Ala Glu Glu Arg Gln Lys Phe Phe Lys Tyr
 50 55 60
 Ser Val Asp Glu Lys Ser Asp Lys Glu Ala Glu Val Ser Glu His
 65 70 75
 Ser Thr Gly Ile Thr His Leu Pro Pro Glu Val Met Leu Ser Ile
 80 85 90
 Phe Ser Tyr Leu Asn Pro Gln Glu Leu Cys Arg Cys Ser Gln Val
 95 100 105
 Ser Met Lys Trp Ser Gln Leu Thr Lys Thr Gly Ser Leu Trp Lys
 110 115 120
 His Leu Tyr Pro Val His Trp Ala Arg Gly Asp Trp Tyr Ser Gly
 125 130 135
 Pro Ala Thr Glu Leu Asp Thr Glu Pro Asp Asp Glu Trp Val Lys
 140 145 150
 Asn Arg Lys Asp Glu Ser Arg Ala Phe His Glu Trp Asp Glu Asp
 155 160 165
 Ala Asp Ile Asp Glu Ser Glu Glu Ser Ala Glu Glu Ser Ile Ala
 170 175 180
 Ile Ser Ile Ala Gln Met Glu Lys Arg Leu Leu His Gly Leu Ile
 185 190 195
 His Asn Val Leu Pro Tyr Val Gly Thr Ser Val Lys Thr Leu Val
 200 205 210
 Leu Ala Tyr Ser Ser Ala Val Ser Ser Lys Met Val Arg Gln Ile
 215 220 225
 Leu Glu Leu Cys Pro Asn Leu Glu His Leu Asp Leu Thr Gln Thr
 230 235 240
 Asp Ile Ser Asp Ser Ala Phe Asp Ser Trp Ser Trp Leu Gly Cys
 245 250 255
 Cys Gln Ser Leu Arg His Leu Asp Leu Ser Gly Cys Glu Lys Ile
 260 265 270
 Thr Asp Val Ala Leu Glu Lys Ile Ser Arg Ala Leu Gly Ile Leu
 275 280 285
 Thr Ser His Gln Ser Gly Phe Leu Lys Thr Ser Thr Ser Lys Ile
 290 295 300
 Thr Ser Thr Ala Trp Lys Asn Lys Asp Ile Thr Met Gln Ser Thr
 305 310 315
 Lys Gln Tyr Ala Cys Leu His Asp Leu Thr Asn Lys Gly Ile Gly

	320		325		330
Glu Glu Ile Asp	Asn Glu His Pro Trp	Thr Lys Pro Val Ser	Ser		
	335		340		345
Glu Asn Phe Thr	Ser Pro Tyr Val Trp	Met Leu Asp Ala Glu	Asp		
	350		355		360
Leu Ala Asp Ile	Glu Asp Thr Val Glu	Trp Arg His Arg Asn	Val		
	365		370		375
Glu Ser Leu Cys	Val Met Glu Thr Ala	Ser Asn Phe Ser Cys	Ser		
	380		385		390
Thr Ser Gly Cys	Phe Ser Lys Asp Ile	Val Gly Leu Arg Thr	Ser		
	395		400		405
Val Cys Trp Gln	Gln His Cys Ala Ser	Pro Ala Phe Ala Tyr	Cys		
	410		415		420
Gly His Ser Phe	Cys Thr Gly Thr	Ala Leu Arg Thr Met	Ser		
	425		430		435
Ser Leu Pro Glu	Ser Ser Ala Met Cys	Arg Lys Ala Ala Arg	Thr		
	440		445		450
Arg Leu Pro Arg	Gly Lys Asp Leu Ile	Tyr Phe Gly Ser Glu	Lys		
	455		460		465
Ser Asp Gln Glu	Thr Gly Arg Val Leu	Leu Phe Leu Ser Leu	Ser		
	470		475		480
Gly Cys Tyr Gln	Ile Thr Asp His Gly	Leu Arg Val Leu Thr	Leu		
	485		490		495
Gly Gly Gly Leu	Pro Tyr Leu Glu His	Leu Asn Leu Ser Gly	Cys		
	500		505		510
Leu Thr Ile Thr	Gly Ala Gly Leu Gln	Asp Leu Val Ser Ala	Cys		
	515		520		525
Pro Ser Leu Asn	Asp Glu Tyr Phe Tyr	Tyr Cys Asp Asn Ile	Asn		
	530		535		540
Gly Pro His Ala	Asp Thr Ala Ser Gly	Cys Gln Asn Leu Gln	Cys		
	545		550		555
Gly Phe Arg Ala	Cys Cys Arg Ser Gly	Glu			
	560		565		

<210> 35

<211> 228

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1851534CD1

<400> 35

Met Asp Phe Ser Phe	Ser Phe Met Gln Gly	Ile Met Gly Asn Thr
1	5	10
Ile Gln Gln Pro Pro	Gln Leu Ile Asp Ser	Ala Asn Ile Arg Gln
20	25	30
Glu Asp Ala Phe Asp	Asn Asn Ser Asp Ile	Ala Glu Asp Gly Gly
35	40	45
Gln Thr Pro Tyr Glu	Ala Thr Leu Gln Gln	Gly Phe Gln Tyr Pro
50	55	60
Ala Thr Thr Glu Asp	Leu Pro Pro Leu Thr	Asn Gly Tyr Pro Ser
65	70	75
Ser Ile Ser Val Tyr	Glu Thr Gln Thr Lys	Tyr Gln Ser Tyr Asn
80	85	90
Gln Tyr Pro Asn Gly	Ser Ala Asn Gly Phe	Gly Ala Val Arg Asn
95	100	105
Phe Ser Pro Thr Asp	Tyr Tyr His Ser Glu	Ile Pro Asn Thr Arg
110	115	120
Pro His Glu Ile Leu	Glu Lys Pro Ser Pro	Pro Gln Pro Pro Pro
125	130	135
Pro Pro Ser Val Pro	Gln Thr Val Ile Pro	Lys Lys Thr Gly Ser
140	145	150

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Pro Glu Ile Lys Leu Lys Ile Thr Lys Thr Ile Gln Asn Gly Arg
      155      160
Glu Leu Phe Glu Ser Ser Leu Cys Gly Asp Leu Leu Asn Glu Val
      170      175
Gln Ala Ser Glu His Thr Lys Ser Lys His Glu Ser Arg Lys Glu
      185      190
Lys Arg Lys Lys Ser Asn Lys His Asp Ser Ser Arg Ser Glu Glu
      200      205
Arg Lys Ser His Lys Ile Pro Lys Leu Glu Pro Glu Glu Gln Asn
      215      220
Met Thr Lys

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<210> 36
<211> 495
<212> PRT
<213> Homo sapiens

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<220>
<221> misc_feature
<223> Incyte ID No: 1868749CD1

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<400> 36
Met Lys Gly Met Lys Val Glu Val Leu Asn Ser Asp Ala Val Leu
  1      5      10      15
Pro Ser Arg Val Tyr Trp Ile Ala Ser Val Ile Gln Thr Ala Gly
  20      25      30
Tyr Arg Val Leu Leu Arg Tyr Glu Gly Phe Glu Asn Asp Ala Ser
  35      40      45
His Asp Phe Trp Cys Asn Leu Gly Thr Val Asp Val His Pro Ile
  50      55      60
Gly Trp Cys Ala Ile Asn Ser Lys Ile Leu Val Pro Pro Arg Thr
  65      70      75
Ile His Ala Lys Phe Thr Asp Trp Lys Gly Tyr Leu Met Lys Arg
  80      85      90
Leu Val Gly Ser Arg Thr Leu Pro Val Asp Phe His Ile Lys Met
  95      100      105
Val Glu Ser Met Lys Tyr Pro Phe Arg Gln Gly Met Arg Leu Glu
  110      115      120
Val Val Asp Lys Ser Gln Val Ser Arg Thr Arg Met Ala Val Val
  125      130      135
Asp Thr Val Ile Gly Gly Arg Leu Arg Leu Leu Tyr Glu Asp Gly
  140      145      150
Asp Ser Asp Asp Asp Phe Trp Cys His Met Trp Ser Pro Leu Ile
  155      160      165
His Pro Val Gly Trp Ser Arg Arg Val Gly His Gly Ile Lys Met
  170      175      180
Ser Glu Arg Arg Ser Asp Met Ala His His Pro Thr Phe Arg Lys
  185      190      195
Ile Tyr Cys Asp Ala Val Pro Tyr Leu Phe Lys Lys Val Arg Ala
  200      205      210
Val Tyr Thr Glu Gly Gly Trp Phe Glu Glu Gly Met Lys Leu Glu
  215      220      225
Ala Ile Asp Pro Leu Asn Leu Gly Asn Ile Cys Val Ala Thr Val
  230      235      240
Cys Lys Val Leu Leu Asp Gly Tyr Leu Met Ile Cys Val Asp Gly
  245      250      255
Gly Pro Ser Thr Asp Gly Leu Asp Trp Phe Cys Tyr His Ala Ser
  260      265      270
Ser His Ala Ile Phe Pro Ala Thr Phe Cys Gln Lys Asn Asp Ile
  275      280      285
Glu Leu Thr Pro Pro Lys Gly Tyr Glu Ala Gln Thr Phe Asn Trp
  290      295      300
Glu Asn Tyr Leu Glu Lys Thr Lys Ser Lys Ala Ala Pro Ser Arg

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Leu Phe Asn Met	305	Asp Cys Pro Asn His	310	Gly Phe Lys Val Gly	315
	320		325		330
Lys Leu Glu Ala	335	Val Asp Leu Met Glu	340	Pro Arg Leu Ile Cys	345
	350	Arg Val Val His Arg	355	Leu Leu Ser Ile His	360
Asp Gly Trp Asp	365	Ser Glu Tyr Asp Gln	370	Val Asp Cys Glu Ser	375
	380	Pro Val Gly Trp Cys	385	Glu Leu Thr Gly Tyr Gln	390
Leu Gln Pro Pro	395	Val Ala Ala Glu Pro	400	Ala Thr Pro Leu Lys Ala	405
	410	Lys Lys Lys Lys Lys	415	Gln Phe Gly Lys Lys Arg	420
Lys Arg Ile Pro	425	Pro Thr Lys Thr Arg	430	Pro Leu Arg Gln Gly Ser	435
	440	Lys Lys Pro Leu Leu	445	Glu Asp Asp Pro Gln	450
Ser Ser Glu Pro	455	Val Pro Gly Glu Ile	460	Ile Ala Val Arg Val Lys	465
	470	Glu Glu His Leu Asp	475	Val Ala Ser Ser Pro	480
Glu Leu Pro Val	485	Ser Val Glu Asn Ile	490	Lys Gln Glu Thr Asp Asp	495

<210> 37

<211> 1336

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1980010CD1

<400> 37

Met Val Asp Gln	Leu Glu Gln Ile	Leu Ser Val	Ser Glu Leu Leu
1	5	10	15
Glu Lys His Gly	Leu Glu Lys Pro	Ile Ser Phe	Val Lys Asn Thr
	20	25	30
Gln Ser Ser Ser	Glu Glu Ala Arg	Lys Leu Met	Val Arg Leu Thr
	35	40	45
Arg His Thr Gly	Arg Lys Gln Pro	Pro Val Ser	Glu Ser His Trp
	50	55	60
Arg Thr Leu Leu	Gln Asp Met Leu	Thr Met Gln	Gln Asn Val Tyr
	65	70	75
Thr Cys Leu Asp	Ser Asp Ala Cys	Tyr Glu Ile	Phe Thr Glu Ser
	80	85	90
Leu Leu Cys Ser	Ser Arg Leu Glu	Asn Ile His	Leu Ala Gly Gln
	95	100	105
Met Met His Cys	Ser Ala Cys Ser	Glu Asn Pro	Pro Ala Gly Ile
	110	115	120
Ala His Lys Gly	Asn Pro His Tyr	Arg Val Ser	Tyr Glu Lys Ser
	125	130	135
Ile Asp Leu Val	Leu Ala Ala Ser	Arg Glu Tyr	Phe Asn Ser Ser
	140	145	150
Thr Asn Leu Thr	Asp Ser Cys Met	Asp Leu Ala	Arg Cys Cys Leu
	155	160	165
Gln Leu Ile Thr	Asp Arg Pro Pro	Ala Ile Gln	Glu Glu Leu Asp
	170	175	180
Leu Ile Gln Ala	Val Gly Cys Leu	Glu Glu Phe	Gly Val Lys Ile
	185	190	195
Leu Pro Leu Gln	Val Arg Leu Cys	Pro Asp Arg	Ile Ser Leu Ile

Lys Glu Cys Ile	200	Ser Gln Ser Pro Thr	205	Cys Tyr Lys Gln Ser	210
Lys Leu Leu Gly	215	Leu Ala Glu Leu Leu	220	Val Ala Gly Glu Asn	225
Pro Glu Glu Arg	230	Arg Gly Gln Val Leu	235	Leu Leu Val Glu Gln	240
Ala Leu Arg Phe	245	His Asp Tyr Lys Ala	250	Ser Met His Cys Gln	255
Glu Leu Met Ala	260	Thr Gly Tyr Pro Lys	265	Ser Trp Asp Val Cys	270
Gln Leu Gly Gln	275	Ser Glu Gly Tyr Gln	280	Leu Ala Thr Arg Gln	285
Glu Leu Met Ala	290	Phe Ala Leu Thr His	295	Pro Pro Ser Ser Ile	300
Glu Leu Leu Leu	305	Ala Ala Ser Ser Ser	310	Gln Thr Glu Ile Leu	315
Tyr Gln Arg Val	320	Asn Phe Gln Ile His	325	Glu Gly Gly Glu Asn	330
Ile Ser Ala Ser	335	Pro Leu Thr Ser Lys	340	Ala Val Gln Glu Asp	345
Val Gly Val Pro	350	Gly Ser Asn Ser Ala	355	Leu Leu Arg Trp Thr	360
Thr Ala Thr Thr	365	Met Lys Val Leu Ser	370	Thr Thr Thr Thr Thr	375
Lys Ala Val Leu	380	Gln Ala Val Ser Asp	385	Gln Trp Trp Lys Lys	390
Ser Leu Thr Tyr	395	Leu Arg Pro Leu Gln	400	Gly Gln Lys Cys Gly	405
Ala Tyr Gln Ile	410	Gly Thr Thr Ala Asn	415	Leu Glu Lys Gln	420
Gly Cys His Pro	425	Phe Tyr Glu Ser Val	430	Ile Ser Asn Pro Phe	435
Ala Glu Ser Glu	440	Gly Thr Tyr Asp Thr	445	Gln His Val Pro Val	450
Glu Ser Phe Ala	455	Glu Val Leu Leu Arg	460	Thr Gly Lys Leu Ala	465
Ala Lys Asn Lys	470	Gly Glu Val Phe Pro	475	Thr Thr Glu Val Leu	480
Gln Leu Ala Ser	485	Glu Ala Leu Pro Asn	490	Met Thr Leu Ala Leu	495
Ala Tyr Leu Leu	500	Ala Leu Pro Gln Val	505	Leu Asp Ala Asn Arg	510
Phe Glu Lys Gln	515	Ser Pro Ser Ala Leu	520	Ser Leu Gln Leu Ala	525
Tyr Tyr Tyr Ser	530	Leu Gln Ile Tyr Ala	535	Arg Leu Ala Pro Cys	540
Arg Asp Lys Cys	545	His Pro Leu Tyr Arg	550	Ala Asp Pro Lys Glu	555
Ile Lys Met Val	560	Thr Arg His Val Thr	565	Arg His Glu His Glu	570
Trp Pro Glu Asp	575	Leu Ile Ser Leu Thr	580	Arg His Glu His Glu	585
Asn Glu Arg Leu	590	Leu Asp Phe Thr Gln	595	Lys Gln Leu His Cys	600
Leu Arg Lys Gly	605	Val Asp Val Gln Arg	610	Ala Gln Ile Leu Gln	615
Tyr Lys Arg Glu	620	Thr Ile Leu Gly Leu	625	Phe Thr Ala Asp Asp	630
Ser Val Tyr Ser	635	Thr Ile Leu Gly Leu	640	Glu Thr Leu Glu Glu	645
Ser Arg Trp Glu	650	Val Phe Met Thr His	655	Ala Gln Arg Tyr Ser	660
	665	Leu Glu Phe Leu Phe	670	Thr Thr Thr Thr Thr	675

Asp	Ser	Gly	Leu	Ser	Thr	Leu	Glu	Ile	Glu	Asn	Arg	Ala	Gln	Asp
				680					685					690
Leu	His	Leu	Phe	Glu	Thr	Leu	Lys	Thr	Asp	Pro	Glu	Ala	Phe	His
				695					700					705
Gln	His	Met	Val	Lys	Tyr	Ile	Tyr	Pro	Thr	Ile	Gly	Gly	Phe	Asp
				710					715					720
His	Glu	Arg	Leu	Gln	Tyr	Tyr	Phe	Thr	Leu	Leu	Glu	Asn	Cys	Gly
				725					730					735
Cys	Ala	Asp	Leu	Gly	Asn	Cys	Ala	Ile	Lys	Pro	Glu	Thr	His	Ile
				740					745					750
Arg	Leu	Leu	Lys	Lys	Phe	Lys	Val	Val	Ala	Ser	Gly	Leu	Asn	Tyr
				755					760					765
Lys	Lys	Leu	Thr	Asp	Glu	Asn	Met	Ser	Pro	Leu	Glu	Ala	Leu	Glu
				770					775					780
Pro	Val	Leu	Ser	Ser	Gln	Asn	Ile	Leu	Ser	Ile	Ser	Lys	Leu	Val
				785					790					795
Pro	Lys	Ile	Pro	Glu	Lys	Asp	Gly	Gln	Met	Leu	Ser	Pro	Ser	Ser
				800					805					810
Leu	Tyr	Thr	Ile	Trp	Leu	Gln	Lys	Leu	Phe	Trp	Thr	Gly	Asp	Pro
				815					820					825
His	Leu	Ile	Lys	Gln	Val	Pro	Gly	Ser	Ser	Pro	Glu	Trp	Leu	His
				830					835					840
Ala	Tyr	Asp	Val	Cys	Met	Lys	Tyr	Phe	Asp	Arg	Leu	His	Pro	Gly
				845					850					855
Asp	Leu	Ile	Thr	Val	Val	Asp	Ala	Val	Thr	Phe	Ser	Pro	Lys	Ala
				860					865					870
Val	Thr	Lys	Leu	Ser	Val	Glu	Ala	Arg	Lys	Glu	Met	Thr	Arg	Lys
				875					880					885
Ala	Ile	Lys	Thr	Val	Lys	His	Phe	Ile	Glu	Lys	Pro	Arg	Lys	Arg
				890					895					900
Asn	Ser	Glu	Asp	Glu	Ala	Gln	Glu	Ala	Lys	Asp	Ser	Lys	Val	Thr
				905					910					915
Tyr	Ala	Asp	Thr	Leu	Asn	His	Leu	Glu	Lys	Ser	Leu	Ala	His	Leu
				920					925					930
Glu	Thr	Leu	Ser	His	Ser	Phe	Ile	Leu	Ser	Leu	Lys	Asn	Ser	Glu
				935					940					945
Gln	Glu	Thr	Leu	Gln	Lys	Tyr	Ser	His	Leu	Tyr	Asp	Leu	Ser	Arg
				950					955					960
Ser	Glu	Lys	Glu	Lys	Leu	His	Asp	Glu	Ala	Val	Ala	Ile	Cys	Leu
				965					970					975
Asp	Gly	Gln	Pro	Leu	Ala	Met	Ile	Gln	Gln	Leu	Leu	Glu	Val	Ala
				980					985					990
Val	Gly	Pro	Leu	Asp	Ile	Ser	Pro	Lys	Asp	Ile	Val	Gln	Ser	Ala
				995					1000					1005
Ile	Met	Lys	Ile	Ile	Ser	Ala	Leu	Ser	Gly	Gly	Ser	Ala	Asp	Leu
				1010					1015					1020
Gly	Gly	Pro	Arg	Asp	Pro	Leu	Lys	Val	Leu	Glu	Gly	Val	Val	Ala
				1025					1030					1035
Ala	Val	His	Ala	Ser	Val	Asp	Lys	Gly	Glu	Glu	Leu	Val	Ser	Pro
				1040					1045					1050
Glu	Asp	Leu	Leu	Glu	Trp	Leu	Arg	Pro	Phe	Cys	Ala	Asp	Asp	Ala
				1055					1060					1065
Trp	Pro	Val	Arg	Pro	Arg	Ile	His	Val	Leu	Gln	Ile	Leu	Gly	Gln
				1070					1075					1080
Ser	Phe	His	Leu	Thr	Glu	Glu	Asp	Ser	Lys	Leu	Leu	Val	Phe	Phe
				1085					1090					1095
Arg	Thr	Glu	Ala	Ile	Leu	Lys	Ala	Ser	Trp	Pro	Gln	Arg	Gln	Val
				1100					1105					1110
Asp	Ile	Ala	Asp	Ile	Glu	Asn	Glu	Glu	Asn	Arg	Tyr	Cys	Leu	Phe
				1115					1120					1125
Met	Glu	Leu	Leu	Glu	Ser	Ser	His	His	Glu	Ala	Glu	Phe	Gln	His
				1130					1135					1140
Leu	Val	Leu	Leu	Leu	Gln	Ala	Trp	Pro	Pro	Met	Lys	Ser	Glu	Tyr

```

1145      1150      1155
Val Ile Thr Asn Asn Pro Trp Val Arg Leu Ala Thr Val Met Leu
1160      1165      1170
Thr Arg Cys Thr Met Glu Asn Lys Glu Gly Leu Gly Asn Glu Val
1175      1180      1185
Leu Lys Met Cys Arg Ser Leu Tyr Asn Thr Lys Gln Met Leu Pro
1190      1195      1200
Ala Glu Gly Val Lys Glu Leu Cys Leu Leu Leu Asn Gln Ser
1205      1210      1215
Leu Leu Leu Pro Ser Leu Lys Leu Leu Leu Glu Ser Arg Asp Glu
1220      1225      1230
His Leu His Glu Met Ala Leu Glu Gln Ile Thr Ala Val Thr Thr
1235      1240      1245
Val Asn Asp Ser Asn Cys Asp Gln Glu Leu Leu Ser Leu Leu Leu
1250      1255      1260
Asp Ala Lys Leu Leu Val Lys Cys Val Ser Thr Pro Phe Tyr Pro
1265      1270      1275
Arg Ile Val Asp His Leu Leu Ala Ser Leu Gln Gln Gly Arg Trp
1280      1285      1290
Asp Ala Glu Glu Gly Arg His Leu Arg Glu Ala Gly His Glu
1295      1300      1305
Ala Glu Ala Gly Ser Leu Leu Leu Ala Val Arg Gly Thr His Gln
1310      1315      1320
Ala Phe Arg Thr Phe Ser Thr Ala Leu Arg Ala Ala Gln His Trp
1325      1330      1335
Val

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<210> 38
<211> 934
<212> PRT
<213> Homo sapiens

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<220>
<221> misc_feature
<223> Incyte ID No: 2259032CD1

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<400> 38
Met Phe Trp Lys Phe Asp Leu Asn Thr Thr Ser His Val Asp Lys
1      5      10      15
Leu Leu Asp Lys Glu His Val Thr Leu Gln Leu Met Asp Glu
20      25      30
Asp Asp Ile Leu Gln Glu Cys Lys Ala Gln Asn Gln Lys Leu Leu
35      40      45
Asp Phe Leu Cys Arg Gln Gln Cys Met Glu Glu Leu Val Ser Leu
50      55      60
Ile Thr Gln Asp Pro Pro Leu Asp Met Glu Glu Lys Val Arg Phe
65      70      75
Lys Tyr Pro Asn Thr Ala Cys Glu Leu Leu Thr Cys Asp Val Pro
80      85      90
Gln Ile Ser Asp Arg Leu Gly Gly Asp Glu Ser Leu Leu Ser Leu
95      100      105
Leu Tyr Asp Phe Leu Asp His Glu Pro Pro Leu Asn Pro Leu Leu
110      115      120
Ala Ser Phe Phe Ser Lys Thr Ile Gly Asn Leu Ile Ala Arg Lys
125      130      135
Thr Glu Gln Val Ile Thr Phe Leu Lys Lys Lys Asp Lys Phe Ile
140      145      150
Ser Leu Val Leu Lys His Ile Gly Thr Ser Ala Leu Met Asp Leu
155      160      165
Leu Leu Arg Leu Val Ser Cys Val Glu Pro Ala Gly Leu Arg Gln
170      175      180
Asp Val Leu His Trp Leu Asn Glu Glu Lys Val Ile Gln Arg Leu
185      190      195

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Val	Glu	Leu	Ile	His	Pro	Ser	Gln	Asp	Glu	Asp	Arg	Gln	Ser	Asn
				200					205					210
Ala	Ser	Gln	Thr	Leu	Cys	Asp	Ile	Val	Arg	Leu	Gly	Arg	Asp	Gln
				215					220					225
Gly	Ser	Gln	Leu	Gln	Glu	Ala	Leu	Glu	Pro	Asp	Pro	Leu	Leu	Thr
				230					235					240
Ala	Leu	Glu	Ser	Arg	Gln	Asp	Cys	Val	Glu	Gln	Leu	Leu	Lys	Asn
				245					250					255
Met	Phe	Asp	Gly	Asp	Arg	Thr	Glu	Ser	Cys	Leu	Val	Ser	Gly	Thr
				260					265					270
Gln	Val	Leu	Leu	Thr	Leu	Leu	Glu	Thr	Arg	Arg	Val	Gly	Thr	Glu
				275					280					285
Gly	Leu	Val	Asp	Ser	Phe	Ser	Gln	Gly	Leu	Glu	Arg	Ser	Tyr	Ala
				290					295					300
Val	Ser	Ser	Ser	Val	Leu	His	Gly	Ile	Glu	Pro	Arg	Leu	Lys	Asp
				305					310					315
Phe	His	Gln	Leu	Leu	Asn	Pro	Pro	Lys	Lys	Lys	Ala	Ile	Leu	
				320					325					330
Thr	Thr	Ile	Gly	Val	Leu	Glu	Glu	Pro	Leu	Gly	Asn	Ala	Arg	Leu
				335					340					345
His	Gly	Ala	Arg	Leu	Met	Ala	Ala	Leu	Leu	His	Thr	Asn	Thr	Pro
				350					355					360
Ser	Ile	Asn	Gln	Glu	Leu	Cys	Arg	Leu	Asn	Thr	Met	Asp	Leu	Leu
				365					370					375
Leu	Asp	Leu	Phe	Phe	Lys	Tyr	Thr	Trp	Asn	Asn	Phe	Leu	His	Phe
				380					385					390
Gln	Val	Glu	Leu	Cys	Ile	Ala	Ala	Ile	Leu	Ser	His	Ala	Ala	Arg
				395					400					405
Glu	Glu	Arg	Thr	Glu	Ala	Ser	Gly	Ser	Glu	Ser	Arg	Val	Glu	Pro
				410					415					420
Pro	His	Glu	Asn	Gly	Asn	Arg	Ser	Leu	Glu	Thr	Pro	Gln	Pro	Ala
				425					430					435
Ala	Ser	Leu	Pro	Asp	Asn	Thr	Met	Val	Thr	His	Leu	Phe	Gln	Lys
				440					445					450
Cys	Cys	Leu	Val	Gln	Arg	Ile	Leu	Glu	Ala	Trp	Glu	Ala	Asn	Asp
				455					460					465
His	Thr	Gln	Ala	Ala	Gly	Gly	Met	Arg	Arg	Gly	Asn	Met	Gly	His
				470					475					480
Leu	Thr	Arg	Ile	Ala	Asn	Ala	Val	Val	Gln	Asn	Leu	Glu	Arg	Gly
				485					490					495
Pro	Val	Gln	Thr	His	Ile	Ser	Glu	Val	Ile	Arg	Gly	Leu	Pro	Ala
				500					505					510
Asp	Cys	Arg	Gly	Arg	Trp	Glu	Ser	Phe	Val	Glu	Glu	Thr	Leu	Thr
				515					520					525
Glu	Thr	Asn	Arg	Arg	Asn	Thr	Val	Asp	Leu	Ala	Phe	Ser	Asp	Tyr
				530					535					540
Gln	Ile	Gln	Gln	Met	Thr	Ala	Asn	Phe	Val	Asp	Gln	Phe	Gly	Phe
				545					550					555
Asn	Asp	Glu	Glu	Phe	Ala	Asp	Gln	Asp	Asp	Asn	Ile	Asn	Ala	Pro
				560					565					570
Phe	Asp	Arg	Ile	Ala	Glu	Ile	Asn	Phe	Asn	Ile	Asp	Ala	Asp	Glu
				575					580					585
Asp	Ser	Pro	Ser	Ala	Ala	Leu	Phe	Glu	Ala	Cys	Cys	Ser	Asp	Arg
				590					595					600
Ile	Gln	Pro	Phe	Asp	Asp	Asp	Glu	Asp	Glu	Asp	Ile	Trp	Glu	Asp
				605					610					615
Ser	Asp	Thr	Arg	Cys	Ala	Ala	Arg	Val	Met	Ala	Arg	Pro	Arg	Phe
				620					625					630
Gly	Ala	Pro	His	Ala	Ser	Glu	Ser	Cys	Ser	Lys	Asn	Gly	Pro	Glu
				635					640					645
Arg	Gly	Gly	Gln	Asp	Gly	Lys	Ala	Ser	Leu	Glu	Ala	His	Arg	Asp
				650					655					660
Ala	Pro	Gly	Ala	Gly	Ala	Pro	Pro	Ala	Pro	Gly	Lys	Lys	Glu	Ala

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665      670      675
Pro Pro Val Glu Gly Asp Ser Glu Ala Gly Ala Met Trp Thr Ala
680      685      690
Val Phe Asp Glu Pro Ala Asn Ser Thr Pro Thr Ala Pro Gly Val
695      700      705
Val Arg Asp Val Gly Ser Ser Val Trp Ala Ala Gly Thr Ser Ala
710      715      720
Pro Glu Glu Lys Gly Trp Ala Lys Phe Thr Asp Phe Gln Pro Phe
725      730      735
Cys Cys Ser Glu Ser Gly Pro Arg Cys Ser Ser Pro Val Asp Thr
740      745      750
Glu Cys Ser His Ala Glu Gly Ser Arg Ser Gln Gly Pro Glu Lys
755      760      765
Ala Phe Ser Pro Ala Ser Pro Cys Ala Trp Asn Val Cys Val Thr
770      775      780
Arg Lys Ala Pro Leu Leu Ala Ser Asp Ser Ser Ser Ser Gly Gly
785      790      795
Ser His Ser Glu Asp Gly Asp Gln Lys Ala Ala Ser Ala Met Asp
800      805      810
Ala Val Ser Arg Gly Pro Gly Arg Glu Ala Pro Pro Leu Pro Thr
815      820      825
Val Ala Arg Thr Glu Glu Ala Val Gly Arg Val Gly Cys Ala Asp
830      835      840
Ser Arg Leu Leu Ser Pro Ala Cys Pro Ala Pro Lys Glu Val Thr
845      850      855
Ala Ala Pro Ala Val Ala Val Pro Pro Glu Ala Thr Val Ala Ile
860      865      870
Thr Thr Ala Leu Ser Lys Ala Gly Pro Ala Ile Pro Thr Pro Ala
875      880      885
Val Ser Ser Ala Leu Ala Val Ala Val Pro Leu Gly Pro Ile Met
890      895      900
Ala Val Thr Ala Ala Pro Ala Met Val Ala Thr Leu Gly Thr Val
905      910      915
Thr Lys Asp Gly Lys Thr Asp Ala Pro Pro Glu Gly Ala Ala Leu
920      925      930
Asn Gly Pro Val

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<210> 39
<211> 515
<212> PRT
<213> Homo sapiens

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<220>
<221> misc_feature
<223> Incyte ID No: 2359526CD1

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<400> 39
Met Ala Ala Asn Met Tyr Arg Val Gly Asp Tyr Val Tyr Phe Glu
1      5      10      15
Asn Ser Ser Ser Asn Pro Tyr Leu Ile Arg Arg Ile Glu Glu Leu
20      25      30
Asn Lys Thr Ala Ser Gly Asn Val Glu Ala Lys Val Val Cys Phe
35      40      45
Tyr Arg Arg Arg Asp Ile Ser Asn Thr Leu Ile Met Leu Ala Asp
50      55      60
Lys His Ala Lys Glu Ile Glu Glu Glu Ser Glu Thr Thr Val Glu
65      70      75
Ala Asp Leu Thr Asp Lys Gln Lys His Gln Leu Lys His Arg Glu
80      85      90
Leu Phe Leu Ser Arg Gln Tyr Glu Ser Leu Pro Ala Thr His Ile
95      100      105
Arg Gly Lys Cys Ser Val Ala Leu Leu Asn Glu Thr Glu Ser Val
110     115     120

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Leu Ser Tyr Leu Asp Lys Glu Asp Thr Phe Phe Tyr Ser Leu Val
125 130
Tyr Asp Pro Ser Leu Lys Thr Leu Leu Ala Asp Lys Gly Glu Ile
140 145
Arg Val Gly Pro Arg Tyr Gln Ala Asp Ile Pro Glu Met Leu Leu
155 160
Glu Gly Glu Ser Asp Glu Arg Glu Gln Ser Lys Leu Glu Val Lys
170 175
Val Trp Asp Pro Asn Ser Pro Leu Thr Asp Arg Gln Ile Asp Gln
185 190
Phe Leu Val Val Ala Arg Ala Val Gly Thr Phe Ala Arg Ala Leu
200 205
Asp Cys Ser Ser Ser Val Arg Gln Pro Ser Leu His Met Ser Ala
215 220
Ala Ala Ala Ser Arg Asp Ile Thr Leu Phe His Ala Met Asp Thr
230 235
Leu Tyr Arg His Ser Tyr Asp Leu Ser Ser Ala Ile Ser Val Leu
245 250
Val Pro Leu Gly Gly Pro Val Leu Cys Arg Asp Glu Met Glu Glu
260 265
Trp Ser Ala Ser Glu Ala Ser Leu Phe Glu Glu Ala Leu Glu Lys
275 280
Tyr Gly Lys Asp Phe Asn Asp Ile Arg Gln Asp Phe Leu Pro Trp
290 295
Lys Ser Leu Thr Ser Ile Ile Glu Tyr Tyr Tyr Met Trp Lys Thr
305 310
Thr Asp Arg Tyr Val Gln Gln Lys Arg Leu Lys Ala Ala Glu Ala
320 325
Glu Ser Lys Leu Lys Gln Val Tyr Ile Pro Thr Tyr Ser Lys Pro
335 340
Asn Pro Asn Gln Ile Ser Thr Ser Asn Gly Lys Pro Gly Ala Val
350 355
Asn Gly Ala Val Gly Thr Thr Phe Gln Pro Gln Asn Pro Leu Leu
365 370
Gly Arg Ala Cys Glu Ser Cys Tyr Ala Thr Gln Ser His Gln Trp
380 385
Tyr Ser Trp Gly Pro Pro Asn Met Gln Cys Arg Leu Cys Ala Ile
395 400
Cys Trp Leu Tyr Trp Lys Lys Tyr Gly Gly Leu Lys Met Pro Thr
410 415
Gln Ser Glu Glu Glu Lys Leu Ser Pro Ser Pro Thr Thr Glu Asp
425 430
Pro Arg Val Arg Ser His Val Ser Arg Gln Ala Met Gln Gly Met
440 445
Pro Val Arg Asn Thr Gly Ser Pro Lys Ser Ala Val Lys Thr Arg
455 460
Gln Ala Phe Phe Leu His Thr Thr Tyr Phe Thr Lys Phe Ala Arg
470 475
Gln Val Cys Lys Asn Thr Leu Arg Leu Arg Gln Ala Ala Arg Arg
485 490
Pro Phe Val Ala Ile Asn Tyr Ala Ala Ile Arg Ala Glu Cys Lys
500 505
Met Leu Leu Asn Ser
515

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<210> 40

<211> 146

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2456494CD1

<400> 40
 Met Val Asp Glu Leu Val Leu Leu Leu His Ala Leu Leu Met Arg
 1 5 10 15
 His Arg Ala Leu Ser Ile Glu Asn Ser Gln Leu Met Glu Gln Leu
 20 25 30
 Arg Leu Leu Val Cys Glu Arg Ala Ser Leu Leu Arg Gln Val Arg
 35 40 45
 Pro Pro Ser Cys Pro Val Pro Phe Pro Glu Thr Phe Asn Gly Glu
 50 55 60
 Ser Ser Arg Leu Pro Glu Phe Ile Val Gln Thr Ala Ser Tyr Met
 65 70 75
 Leu Val Asn Glu Asn Arg Phe Cys Asn Asp Ala Met Lys Val Ala
 80 85 90
 Phe Leu Ile Ser Leu Leu Thr Gly Glu Ala Glu Glu Trp Val Val
 95 100 105
 Pro Tyr Ile Glu Met Asp Ser Pro Ile Leu Gly Asp Tyr Arg Ala
 110 115 120
 Phe Leu Asp Glu Met Lys Gln Cys Phe Gly Trp Asp Asp Asp Glu
 125 130 135
 Asp Asp Asp Asp Glu Glu Glu Asp Asp Tyr
 140 145

<210> 41
 <211> 580
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 2668536CD1

<400> 41
 Met Lys Glu Asn Lys Glu Asn Ser Ser Pro Ser Val Thr Ser Ala
 1 5 10 15
 Asn Leu Asp His Thr Lys Pro Cys Trp Tyr Trp Asp Lys Lys Asp
 20 25 30
 Leu Ala His Thr Pro Ser Gln Leu Glu Gly Leu Asp Pro Ala Thr
 35 40 45
 Glu Ala Arg Tyr Arg Arg Glu Gly Ala Arg Phe Ile Phe Asp Val
 50 55 60
 Gly Thr Arg Leu Gly Leu His Tyr Asp Thr Leu Ala Thr Gly Ile
 65 70 75
 Ile Tyr Phe His Arg Phe Tyr Met Phe His Ser Phe Lys Gln Phe
 80 85 90
 Pro Arg Tyr Val Thr Gly Ala Cys Cys Leu Phe Leu Ala Gly Lys
 95 100 105
 Val Glu Glu Thr Pro Lys Lys Cys Lys Asp Ile Ile Lys Thr Ala
 110 115 120
 Arg Ser Leu Leu Asn Asp Val Gln Phe Gly Gln Phe Gly Asp Asp
 125 130 135
 Pro Lys Glu Glu Val Met Val Leu Glu Arg Ile Leu Leu Gln Thr
 140 145 150
 Ile Lys Phe Asp Leu Gln Val Glu His Pro Tyr Gln Phe Leu Leu
 155 160 165
 Lys Tyr Ala Lys Gln Leu Lys Gly Asp Lys Asn Lys Ile Gln Lys
 170 175 180
 Leu Val Gln Met Ala Trp Thr Phe Val Asn Asp Ser Leu Cys Thr
 185 190 195
 Thr Leu Ser Leu Gln Trp Glu Pro Glu Ile Ile Ala Val Ala Val
 200 205 210
 Met Tyr Leu Ala Gly Arg Leu Cys Lys Phe Glu Ile Gln Glu Trp
 215 220 225
 Thr Ser Lys Pro Met Tyr Arg Arg Trp Trp Glu Gln Phe Val Gln
 230 235 240

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Asp Val Pro Val Asp Val Leu Glu Asp Ile Cys His Gln Ile Leu
245 250
Asp Leu Tyr Ser Gln Gly Lys Gln Gln Met Pro His His Thr Pro
260 265 270
His Gln Leu Gln Gln Pro Pro Ser Leu Gln Pro Thr Pro Gln Val
275 280 285
Pro Gln Val Gln Gln Ser Gln Pro Ser Gln Ser Ser Glu Pro Ser
290 295 300
Gln Pro Gln Gln Lys Asp Pro Gln Gln Pro Ala Gln Gln Gln Gln
305 310 315
Pro Ala Gln Gln Pro Lys Lys Pro Ser Pro Gln Pro Ser Ser Pro
320 325 330
Arg Gln Val Lys Arg Ala Val Val Val Ser Pro Lys Glu Glu Asn
335 340 345
Lys Ala Ala Glu Pro Pro Pro Pro Lys Ile Pro Lys Ile Glu Thr
350 355 360
Thr His Pro Pro Leu Pro Pro Ala His Pro Pro Pro Asp Arg Lys
365 370 375
Pro Pro Leu Ala Ala Ala Leu Gly Glu Ala Glu Pro Pro Gly Pro
380 385 390
Val Asp Ala Thr Asp Leu Pro Lys Val Gln Ile Pro Pro Pro Ala
395 400 405
His Pro Ala Pro Val His Gln Pro Pro Pro Leu Pro His Arg Pro
410 415 420
Pro Pro Pro Pro Pro Ser Ser Tyr Met Thr Gly Met Ser Thr Thr
425 430 435
Ser Ser Tyr Met Ser Gly Glu Gly Tyr Gln Ser Leu Gln Ser Met
440 445 450
Met Lys Thr Glu Gly Pro Ser Tyr Gly Ala Leu Pro Pro Ala Tyr
455 460 465
Gly Pro Pro Ala His Leu Pro Tyr His Pro His Val Tyr Pro Pro
470 475 480
Asn Pro Pro Pro Pro Pro Val Pro Pro Pro Pro Ala Ser Phe Pro
485 490 495
His Leu Pro Ser His Pro Leu Leu Leu Ala Thr Pro Asn Pro His
500 505 510
Pro Pro Thr Thr Pro Thr Ser His Pro His Pro His Ala Ser Arg
515 520 525
Leu Pro Thr Gln Ser Pro Leu Ile Leu Leu Gln Gly Trp Ala Cys
530 535 540
Arg Gln Pro Ala Thr His Leu Leu Pro Ser Pro Leu Glu Asp Ser
545 550 555
Leu Leu Cys Pro Arg Pro Phe Pro His Pro Ala Cys Leu Gln Leu
560 565 570
Glu Gly Leu Gly Arg Ala Ala Trp Met Arg
575 580

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<210> 42

<211> 131

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2683225CD1

<400> 42

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Met Ala Glu Pro Asp Tyr Ile Glu Asp Asp Asn Pro Glu Leu Ile
1 5 10 15
Arg Pro Gln Lys Leu Ile Asn Pro Val Lys Thr Ser Arg Asn His
20 25 30
Gln Asp Leu His Arg Glu Leu Leu Met Asn Gln Lys Arg Gly Leu
35 40 45
Ala Pro Gln Asn Lys Pro Glu Leu Gln Lys Val Met Glu Lys Arg

```

Lys	Arg	Asp	Gln	Val	Ile	Lys	Gln	Lys	Glu	Glu	Ala	Gln	Lys	50	55	60	
				65					70							75	
Lys	Lys	Ser	Asp	Leu	Glu	Ile	Glu	Leu	Leu	Lys	Arg	Gln	Gln	Lys	80	85	90
Leu	Glu	Gln	Leu	Glu	Leu	Glu	Lys	Gln	Lys	Leu	Gln	Glu	Glu	Gln	95	100	105
Glu	Asn	Ala	Pro	Glu	Phe	Val	Lys	Val	Lys	Gly	Asn	Leu	Arg	Arg	110	115	120
Thr	Gly	Gln	Glu	Val	Ala	Gln	Ala	Gln	Glu	Ser					125	130	

<210> 43

<211> 812

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2797839CD1

<400> 43

Met	Gly	Arg	Lys	Leu	Asp	Pro	Thr	Lys	Glu	Lys	Arg	Gly	Pro	Gly	1	5	10	15
Arg	Lys	Ala	Arg	Lys	Gln	Lys	Gly	Ala	Glu	Thr	Glu	Leu	Val	Arg	20	25	30	35
Phe	Leu	Pro	Ala	Val	Ser	Asp	Glu	Asn	Ser	Lys	Arg	Leu	Ser	Ser	40	45	50	55
Arg	Ala	Arg	Lys	Arg	Ala	Ala	Lys	Arg	Arg	Leu	Gly	Ser	Val	Glu	60	65	70	75
Ala	Pro	Lys	Thr	Asn	Lys	Ser	Pro	Glu	Ala	Lys	Pro	Leu	Pro	Gly	80	85	90	95
Lys	Leu	Pro	Lys	Gly	Ile	Ser	Ala	Gly	Ala	Val	Gln	Thr	Ala	Gly	100	105	110	115
Lys	Lys	Gly	Pro	Gln	Ser	Leu	Phe	Asn	Ala	Pro	Arg	Gly	Lys	Lys	120	125	130	135
Arg	Pro	Ala	Pro	Gly	Ser	Asp	Glu	Glu	Glu	Glu	Glu	Glu	Asp	Ser	140	145	150	155
Glu	Glu	Asp	Gly	Met	Val	Asn	His	Gly	Asp	Leu	Trp	Gly	Ser	Glu	160	165	170	175
Asp	Asp	Ala	Asp	Thr	Val	Asp	Asp	Tyr	Gly	Ala	Asp	Ser	Asn	Ser	180	185	190	195
Glu	Asp	Glu	Glu	Glu	Gly	Glu	Ala	Leu	Leu	Pro	Ile	Glu	Arg	Ala	200	205	210	215
Ala	Arg	Lys	Gln	Lys	Ala	Arg	Glu	Ala	Ala	Ala	Gly	Ile	Gln	Trp	220	225	230	235
Ser	Glu	Glu	Glu	Thr	Glu	Asp	Glu	Glu	Glu	Lys	Glu	Val	Thr		240	245	250	255
Pro	Glu	Ser	Gly	Pro	Pro	Lys	Val	Glu	Glu	Ala	Asp	Gly	Gly	Leu	260	265	270	275
Gln	Ile	Asn	Val	Asp	Glu	Glu	Pro	Phe	Val	Leu	Pro	Pro	Ala	Gly	280	285	290	295
Glu	Met	Glu	Gln	Asp	Ala	Gln	Ala	Pro	Asp	Leu	Gln	Arg	Val	His	300	305	310	315
Lys	Arg	Ile	Gln	Asp	Ile	Val	Gly	Ile	Leu	Arg	Asp	Phe	Gly	Ala				
Gln	Arg	Glu	Glu	Gly	Arg	Ser	Arg	Ser	Glu	Tyr	Leu	Asn	Arg	Leu				
Lys	Lys	Asp	Leu	Ala	Ile	Tyr	Tyr	Ser	Tyr	Gly	Asp	Phe	Leu	Leu				
Gly	Lys	Leu	Met	Asp	Leu	Phe	Pro	Leu	Ser	Glu	Leu	Val	Glu	Phe				
Leu	Glu	Ala	Asn	Glu	Val	Pro	Arg	Pro	Val	Thr	Leu	Arg	Thr	Asn				

Thr	Leu	Lys	Thr	Arg	Arg	Arg	Asp	Leu	Ala	Gln	Ala	Leu	Ile	Asn
				320					325					330
Arg	Gly	Val	Asn	Leu	Asp	Pro	Leu	Gly	Lys	Trp	Ser	Lys	Thr	Gly
				335					340					345
Leu	Val	Val	Tyr	Asp	Ser	Ser	Val	Pro	Ile	Gly	Ala	Thr	Pro	Glu
				350					355					360
Tyr	Leu	Ala	Gly	His	Tyr	Met	Leu	Gln	Gly	Ala	Ser	Ser	Met	Leu
				365					370					375
Pro	Val	Met	Ala	Leu	Ala	Pro	Gln	Glu	His	Glu	Arg	Ile	Leu	Asp
				380					385					390
Met	Cys	Cys	Ala	Pro	Gly	Gly	Lys	Thr	Ser	Tyr	Met	Ala	Gln	Leu
				395					400					405
Met	Lys	Asn	Thr	Gly	Val	Ile	Leu	Ala	Asn	Asp	Ala	Asn	Ala	Glu
				410					415					420
Arg	Leu	Lys	Ser	Val	Val	Gly	Asn	Leu	His	Arg	Leu	Gly	Val	Thr
				425					430					435
Asn	Thr	Ile	Ile	Ser	His	Tyr	Asp	Gly	Arg	Gln	Phe	Pro	Lys	Val
				440					445					450
Val	Gly	Gly	Phe	Asp	Arg	Val	Leu	Leu	Asp	Ala	Pro	Cys	Ser	Gly
				455					460					465
Thr	Gly	Val	Ile	Ser	Lys	Asp	Pro	Ala	Val	Lys	Thr	Asn	Lys	Asp
				470					475					480
Glu	Lys	Asp	Ile	Leu	Arg	Cys	Ala	His	Leu	Gln	Lys	Glu	Leu	Leu
				485					490					495
Leu	Ser	Ala	Ile	Asp	Ser	Val	Asn	Ala	Thr	Ser	Lys	Thr	Gly	Gly
				500					505					510
Tyr	Leu	Val	Tyr	Cys	Thr	Cys	Ser	Ile	Thr	Val	Glu	Glu	Asn	Glu
				515					520					525
Trp	Val	Val	Asp	Tyr	Ala	Leu	Lys	Lys	Arg	Asn	Val	Arg	Leu	Val
				530					535					540
Pro	Thr	Gly	Leu	Asp	Phe	Gly	Gln	Glu	Gly	Phe	Thr	Arg	Phe	Arg
				545					550					555
Glu	Arg	Arg	Phe	His	Pro	Ser	Leu	Arg	Ser	Thr	Arg	Arg	Phe	Tyr
				560					565					570
Pro	His	Thr	His	Asn	Met	Asp	Gly	Phe	Phe	Ile	Ala	Lys	Phe	Lys
				575					580					585
Lys	Phe	Ser	Asn	Ser	Ile	Pro	Gln	Ser	Gln	Thr	Gly	Asn	Ser	Glu
				590					595					600
Thr	Ala	Thr	Pro	Thr	Asn	Val	Asp	Leu	Pro	Gln	Val	Ile	Pro	Lys
				605					610					615
Ser	Glu	Asn	Ser	Ser	Gln	Pro	Ala	Lys	Lys	Ala	Lys	Gly	Ala	Ala
				620					625					630
Lys	Thr	Lys	Gln	Gln	Leu	Gln	Lys	Gln	Gln	His	Pro	Lys	Lys	Ala
				635					640					645
Ser	Phe	Gln	Lys	Leu	Asn	Gly	Ile	Ser	Lys	Gly	Ala	Asp	Ser	Glu
				650					655					660
Leu	Ser	Thr	Val	Pro	Ser	Val	Thr	Lys	Thr	Gln	Ala	Ser	Ser	Ser
				665					670					675
Phe	Gln	Asp	Ser	Ser	Gln	Pro	Ala	Gly	Lys	Ala	Glu	Gly	Ile	Arg
				680					685					690
Glu	Pro	Lys	Val	Thr	Gly	Lys	Leu	Lys	Gln	Arg	Ser	Pro	Lys	Leu
				695					700					705
Gln	Ser	Ser	Lys	Lys	Val	Ala	Phe	Leu	Arg	Gln	Asn	Ala	Pro	Pro
				710					715					720
Lys	Gly	Thr	Asp	Thr	Gln	Thr	Pro	Ala	Val	Leu	Ser	Pro	Ser	Lys
				725					730					735
Thr	Gln	Ala	Thr	Leu	Lys	Pro	Lys	Asp	His	His	Gln	Pro	Leu	Gly
				740					745					750
Arg	Ala	Lys	Gly	Val	Glu	Lys	Gln	Gln	Leu	Pro	Glu	Gln	Pro	Phe
				755					760					765
Glu	Lys	Ala	Ala	Phe	Gln	Lys	Gln	Asn	Asp	Thr	Pro	Lys	Gly	Pro
				770					775					780
Gln	Pro	Pro	Thr	Val	Ser	Pro	Ile	Arg	Ser	Ser	Arg	Pro	Pro	Pro

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      785      790      795
Ala Lys Arg Lys Lys Ser Gln Ser Arg Gly Asn Ser Gln Leu Leu
      800      805      810
Leu Ser

<210> 44
<211> 537
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2959521CD1

<400> 44
Met Arg Gly Val Gly Ala Arg Val Tyr Ala Asp Ala Pro Ala Lys
 1      5      10      15
Leu Leu Leu Pro Pro Pro Ala Ala Trp Asp Leu Ala Val Arg Leu
 20      25      30
Arg Gly Ala Glu Ala Ala Ser Glu Arg Gln Val Tyr Ser Val Thr
 35      40      45
Met Lys Leu Leu Leu Leu His Pro Ala Phe Gln Ser Cys Leu Leu
 50      55      60
Leu Thr Leu Leu Gly Leu Trp Arg Thr Thr Pro Glu Ala His Ala
 65      70      75
Ser Ser Leu Gly Ala Pro Ala Ile Ser Ala Ala Ser Phe Leu Gln
 80      85      90
Asp Leu Ile His Arg Tyr Gly Glu Gly Asp Ser Leu Thr Leu Gln
 95      100      105
Gln Leu Lys Ala Leu Leu Asn His Leu Asp Val Gly Val Gly Arg
 110      115      120
Gly Asn Val Thr Gln His Val Gln Gly His Arg Asn Leu Ser Thr
 125      130      135
Cys Phe Ser Ser Gly Asp Leu Phe Thr Ala His Asn Phe Ser Glu
 140      145      150
Gln Ser Arg Ile Gly Ser Ser Glu Leu Gln Glu Phe Cys Pro Thr
 155      160      165
Ile Leu Gln Gln Leu Asp Ser Arg Ala Cys Thr Ser Glu Asn Gln
 170      175      180
Glu Asn Glu Glu Asn Glu Gln Thr Glu Glu Arg Pro Ser Ala
 185      190      195
Val Glu Val Trp Gly Tyr Gly Leu Leu Cys Val Thr Val Ile Ser
 200      205      210
Leu Cys Ser Leu Leu Gly Ala Ser Val Val Pro Phe Met Lys Lys
 215      220      225
Thr Phe Tyr Lys Arg Leu Leu Leu Tyr Phe Ile Ala Leu Ala Ile
 230      235      240
Gly Thr Leu Tyr Ser Asn Ala Leu Phe Gln Leu Ile Pro Glu Ala
 245      250      255
Phe Gly Phe Asn Pro Leu Glu Asp Tyr Tyr Val Ser Lys Ser Ala
 260      265      270
Val Val Phe Gly Gly Phe Tyr Leu Phe Phe Phe Thr Glu Lys Ile
 275      280      285
Leu Lys Ile Leu Leu Lys Gln Lys Asn Glu His His His Gly His
 290      295      300
Ser His Tyr Ala Ser Glu Ser Leu Pro Ser Lys Lys Asp Gln Glu
 305      310      315
Glu Gly Val Met Glu Lys Leu Gln Asn Gly Asp Leu Asp His Met
 320      325      330
Ile Pro Gln His Cys Ser Ser Glu Leu Asp Gly Lys Ala Pro Met
 335      340      345
Val Asp Glu Lys Val Ile Val Gly Ser Leu Ser Val Gln Asp Leu
 350      355      360

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Gln Ala Ser Gln Ser Ala Cys Tyr Trp Leu Lys Gly Val Arg Tyr
 365 370 375
 Ser Asp Ile Gly Thr Leu Ala Trp Met Ile Thr Leu Ser Asp Gly
 380 385 390
 Leu His Asn Phe Ile Asp Gly Leu Ala Ile Gly Ala Ser Phe Thr
 395 400 405
 Val Ser Val Phe Gln Gly Ile Ser Thr Ser Val Ala Ile Leu Cys
 410 415 420
 Glu Glu Phe Pro His Glu Leu Gly Asp Phe Val Ile Leu Leu Asn
 425 430 435
 Ala Gly Met Ser Ile Gln Gln Ala Leu Phe Phe Asn Phe Leu Ser
 440 445 450
 Ala Cys Cys Cys Tyr Leu Gly Leu Ala Phe Gly Ile Leu Ala Gly
 455 460 465
 Ser His Phe Ser Ala Asn Trp Ile Phe Ala Leu Ala Gly Gly Met
 470 475 480
 Phe Leu Tyr Ile Ser Leu Ala Asp Met Phe Pro Glu Met Asn Glu
 485 490 495
 Val Cys Gln Glu Asp Glu Arg Lys Gly Ser Ile Leu Ile Pro Phe
 500 505 510
 Ile Ile Gln Asn Leu Gly Leu Leu Thr Gly Phe Thr Ile Met Val
 515 520 525
 Val Leu Thr Met Tyr Ser Gly Gln Ile Gln Ile Gly
 530 535

<210> 45

<211> 584

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 3082014CD1

<400> 45

Met Leu Trp Gly Gly Arg Val Gly Leu Thr Gly Val Phe Gln Ser
 1 5 10 15
 Leu Ser Tyr Arg Gly Lys Cys Ser Val Thr Leu Leu Asn Glu Thr
 20 25 30
 Asp Ile Leu Ser Gln Tyr Leu Glu Lys Glu Asp Cys Phe Phe Tyr
 35 40 45
 Ser Leu Val Phe Asp Pro Val Gln Lys Thr Leu Leu Ala Asp Gln
 50 55 60
 Gly Glu Ile Arg Val Gly Cys Lys Tyr Gln Ala Glu Ile Pro Asp
 65 70 75
 Arg Leu Val Glu Gly Glu Ser Asp Asn Arg Asn Gln Gln Lys Met
 80 85 90
 Glu Met Lys Val Trp Asp Pro Asp Asn Pro Leu Thr Asp Arg Gln
 95 100 105
 Ile Asp Gln Phe Leu Val Val Ala Arg Ala Val Gly Thr Phe Ala
 110 115 120
 Arg Ala Leu Asp Cys Ser Ser Ser Ile Arg Gln Pro Ser Leu His
 125 130 135
 Met Ser Ala Ala Ala Ala Ser Arg Asp Ile Thr Leu Phe His Ala
 140 145 150
 Met Asp Thr Leu Gln Arg Asn Gly Tyr Asp Leu Ala Lys Ala Met
 155 160 165
 Ser Thr Leu Val Pro Gln Gly Gly Pro Val Leu Cys Arg Asp Glu
 170 175 180
 Met Glu Glu Trp Ser Ala Ser Glu Ala Met Leu Phe Glu Glu Ala
 185 190 195
 Leu Glu Lys Tyr Gly Lys Asp Phe Asn Asp Ile Arg Gln Asp Phe
 200 205 210
 Leu Pro Trp Lys Ser Leu Ala Ser Ile Val Gln Phe Tyr Tyr Met

Trp Lys Thr Thr	215	220	225
Asp Arg Tyr Ile Gln	230	235	240
Ala Glu Ala Asp Ser Lys Leu Lys Gln Val Tyr Ile Pro Thr Tyr	245	250	255
Thr Lys Pro Asn Pro Asn Gln Ile Ile Ser Val Gly Ser Lys Pro	260	265	270
Gly Met Asn Gly Ala Gly Phe Gln Lys Gly Leu Thr Cys Glu Ser	275	280	285
Cys His Thr Thr Gln Ser Ala Gln Trp Tyr Ala Trp Gly Pro Pro	290	295	300
Asn Met Gln Cys Arg Leu Cys Ala Ser Cys Trp Ile Tyr Trp Lys	305	310	315
Lys Tyr Gly Gly Leu Lys Thr Pro Thr Gln Leu Glu Gly Ala Thr	320	325	330
Arg Gly Thr Thr Glu Pro His Ser Arg Gly His Leu Ser Arg Pro	335	340	345
Glu Ala Gln Ser Leu Ser Pro Tyr Thr Thr Ser Ala Asn Arg Ala	350	355	360
Lys Leu Leu Ala Lys Asn Arg Gln Thr Phe Leu Leu Gln Thr Thr	365	370	375
Lys Leu Thr Arg Leu Ala Arg Arg Met Cys Arg Asp Leu Leu Gln	380	385	390
Pro Arg Arg Ala Ala Arg Arg Pro Tyr Ala Pro Ile Asn Ala Asn	395	400	405
Ala Ile Lys Ala Glu Cys Ser Ile Arg Leu Pro Lys Ala Ala Lys	410	415	420
Thr Pro Leu Lys Ile His Pro Leu Val Arg Leu Pro Leu Ala Thr	425	430	435
Ile Val Lys Asp Leu Val Ala Gln Ala Pro Leu Lys Pro Lys Thr	440	445	450
Pro Arg Gly Thr Lys Thr Pro Ile Asn Arg Asn Gln Leu Ser Gln	455	460	465
Asn Arg Gly Leu Gly Ile Met Val Lys Arg Ala Tyr Glu Thr	470	475	480
Met Ala Gly Ala Gly Val Pro Phe Ser Ala Asn Gly Arg Pro Leu	485	490	495
Ala Ser Gly Ile Arg Ser Ser Ser Gln Pro Ala Ala Lys Arg Gln	500	505	510
Lys Leu Asn Pro Ala Asp Ala Pro Asn Pro Val Val Phe Val Ala	515	520	525
Thr Lys Asp Thr Arg Ala Leu Arg Lys Ala Leu Thr His Leu Glu	530	535	540
Met Arg Arg Ala Ala Arg Arg Pro Asn Leu Pro Leu Lys Val Lys	545	550	555
Pro Thr Leu Ile Ala Val Arg Pro Pro Val Pro Leu Pro Ala Pro	560	565	570
Ser His Pro Ala Ser Thr Asn Glu Pro Ile Val Leu Glu Asp	575	580	

<210> 46

<211> 425

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 3520701CD1

<400> 46

Met Ala Gly Ala Glu Gly Ala Ala Gly Arg Gln Ser Glu Leu Glu	5	10	15
Pro Val Val Ser Leu Val Asp Val Leu Glu Glu Asp Glu Glu Leu	20	25	30

Glu Asn Glu Ala Cys Ala Val Leu Gly Gly Ser Asp Ser Glu Lys
 35 40 45
 Cys Ser Tyr Ser Gln Gly Ser Val Lys Arg Gln Ala Leu Tyr Ala
 50 55 60
 Cys Ser Thr Cys Thr Pro Glu Gly Glu Glu Pro Ala Gly Ile Cys
 65 70 75
 Leu Ala Cys Ser Tyr Glu Cys His Gly Ser His Lys Leu Phe Glu
 80 85 90
 Leu Tyr Thr Lys Arg Asn Phe Arg Cys Asp Cys Gly Asn Ser Lys
 95 100 105
 Phe Lys Asn Leu Glu Cys Lys Leu Leu Pro Asp Lys Ala Lys Val
 110 115 120
 Asn Ser Gly Asn Lys Tyr Asn Asp Asn Phe Phe Gly Leu Tyr Cys
 125 130 135
 Ile Cys Lys Arg Pro Tyr Pro Asp Pro Glu Asp Glu Ile Pro Asp
 140 145 150
 Glu Met Ile Gln Cys Val Val Cys Glu Asp Trp Phe His Gly Arg
 155 160 165
 His Leu Gly Ala Ile Pro Pro Glu Ser Gly Asp Phe Gln Glu Met
 170 175 180
 Val Cys Gln Ala Cys Met Lys Arg Cys Ser Phe Leu Trp Ala Tyr
 185 190 195
 Ala Ala Gln Leu Ala Val Thr Lys Ile Ser Thr Glu Asp Asp Gly
 200 205 210
 Leu Val Arg Asn Ile Asp Gly Ile Gly Asp Gln Glu Val Ile Lys
 215 220 225
 Pro Glu Asn Gly Glu His Gln Asp Ser Thr Leu Lys Glu Asp Val
 230 235 240
 Pro Glu Gln Gly Lys Asp Asp Val Arg Glu Val Lys Val Glu Gln
 245 250 255
 Asn Ser Glu Pro Cys Ala Gly Ser Ser Ser Glu Ser Asp Leu Gln
 260 265 270
 Thr Val Phe Lys Asn Glu Ser Leu Asn Ala Glu Ser Lys Ser Gly
 275 280 285
 Cys Lys Leu Gln Glu Leu Lys Ala Lys Gln Leu Ile Lys Lys Asp
 290 295 300
 Thr Ala Thr Tyr Trp Pro Leu Asn Trp Arg Ser Lys Leu Cys Thr
 305 310 315
 Cys Gln Asp Cys Met Lys Met Tyr Gly Asp Leu Asp Val Leu Phe
 320 325 330
 Leu Thr Asp Glu Tyr Asp Thr Val Leu Ala Tyr Glu Asn Lys Gly
 335 340 345
 Lys Ile Ala Gln Ala Thr Asp Arg Ser Asp Pro Leu Met Asp Thr
 350 355 360
 Leu Ser Ser Met Asn Arg Val Gln Gln Val Glu Leu Ile Cys Glu
 365 370 375
 Tyr Asn Asp Leu Lys Thr Glu Leu Lys Asp Tyr Leu Lys Arg Phe
 380 385 390
 Ala Asp Glu Gly Thr Val Val Lys Arg Glu Asp Ile Gln Gln Phe
 395 400 405
 Phe Glu Glu Phe Gln Ser Lys Lys Arg Arg Arg Val Asp Gly Met
 410 415 420
 Gln Tyr Tyr Cys Ser
 425

<210> 47

<211> 255

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 4184320CD1

<400> 47

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Met Tyr Val Arg Val Ser Phe Asp Thr Lys Pro Asp Leu Leu Leu
 1      5      10      15
His Leu Met Thr Lys Glu Trp Gln Leu Glu Leu Pro Lys Leu Leu
 20      25      30
Ile Ser Val His Gly Gly Leu Gln Asn Phe Glu Leu Gln Pro Lys
 35      40      45
Leu Lys Gln Val Phe Gly Lys Gly Leu Ile Lys Ala Ala Met Thr
 50      55      60
Thr Gly Ala Trp Ile Phe Thr Gly Gly Val Asn Thr Gly Val Ile
 65      70      75
Arg His Val Gly Asp Ala Leu Lys Asp His Ala Ser Lys Ser Arg
 80      85      90
Gly Lys Ile Cys Thr Ile Gly Ile Ala Pro Trp Gly Ile Val Glu
 95      100     105
Asn Gln Glu Asp Leu Ile Gly Arg Asp Val Val Arg Pro Tyr Gln
110     115     120
Thr Met Ser Asn Pro Met Ser Lys Leu Thr Val Leu Asn Ser Met
125     130     135
His Ser His Phe Ile Leu Ala Asp Asn Gly Thr Thr Gly Lys Tyr
140     145     150
Gly Ala Glu Val Lys Leu Arg Arg Gln Leu Glu Lys His Ile Ser
155     160     165
Leu Gln Lys Ile Asn Thr Arg Cys Leu Pro Phe Phe Ser Leu Asp
170     175     180
Ser Arg Leu Phe Tyr Ser Phe Trp Gly Ser Cys Gln Leu Asp Ser
185     190     195
Val Gly Ile Gly Gln Gly Val Pro Val Val Ala Leu Ile Val Glu
200     205     210
Gly Gly Pro Asn Val Ile Ser Ile Val Leu Glu Tyr Leu Arg Asp
215     220     225
Thr Pro Pro Val Pro Val Val Val Cys Asp Gly Ser Gly Arg Ala
230     235     240
Ser Asp Ile Leu Ala Phe Gly His Lys Tyr Ser Glu Glu Gly Gly
245     250     255

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<210> 48

<211> 111

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 4764233CD1

<400> 48

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Met Ser Trp Arg Gly Arg Ser Thr Tyr Arg Pro Arg Pro Arg Arg
 1      5      10      15
Ser Leu Gln Pro Pro Glu Leu Ile Gly Ala Met Leu Glu Pro Thr
 20      25      30
Asp Glu Glu Pro Lys Glu Glu Lys Pro Pro Thr Lys Ser Arg Asn
 35      40      45
Pro Thr Pro Asp Gln Lys Arg Glu Asp Asp Gln Gly Ala Ala Glu
 50      55      60
Ile Gln Val Pro Asp Leu Glu Ala Asp Leu Gln Glu Leu Cys Gln
 65      70      75
Thr Lys Thr Gly Asp Gly Cys Glu Gly Gly Thr Asp Val Lys Gly
 80      85      90
Lys Ile Leu Pro Lys Ala Glu His Phe Lys Met Pro Glu Ala Gly
 95      100     105
Glu Gly Lys Ser Gln Val
110

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<210> 49

<211> 422
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 4817352CD1

<400> 49
 Met Gly Lys Ala Lys Val Pro Ala Ser Lys Arg Ala Pro Ser Ser
 1 5 10 15
 Pro Val Ala Lys Pro Gly Pro Val Lys Thr Leu Thr Arg Lys Lys
 20 25 30
 Asn Lys Lys Lys Lys Arg Phe Trp Lys Ser Lys Ala Arg Glu Val
 35 40 45
 Ser Lys Lys Pro Ala Ser Gly Pro Gly Ala Val Val Arg Pro Pro
 50 55 60
 Lys Ala Pro Glu Asp Phe Ser Gln Asn Trp Lys Ala Leu Gln Glu
 65 70 75
 Trp Leu Leu Lys Gln Lys Ser Gln Ala Pro Glu Lys Pro Leu Val
 80 85 90
 Ile Ser Gln Met Gly Ser Lys Lys Lys Pro Lys Ile Ile Gln Gln
 95 100 105
 Asn Lys Lys Glu Thr Ser Pro Gln Val Lys Gly Glu Glu Met Pro
 110 115 120
 Ala Gly Lys Asp Gln Glu Ala Ser Arg Gly Ser Val Pro Ser Gly
 125 130 135
 Ser Lys Met Asp Arg Arg Ala Pro Val Pro Arg Thr Lys Ala Ser
 140 145 150
 Gly Thr Glu His Asn Lys Lys Gly Thr Lys Glu Arg Thr Asn Gly
 155 160 165
 Asp Ile Val Pro Glu Arg Gly Asp Ile Glu His Lys Lys Arg Lys
 170 175 180
 Ala Lys Glu Ala Ala Pro Ala Pro Pro Thr Glu Glu Asp Ile Trp
 185 190 195
 Phe Asp Asp Val Asp Pro Ala Asp Ile Glu Ala Ala Ile Gly Pro
 200 205 210
 Glu Ala Ala Lys Ile Ala Arg Lys Gln Leu Gly Gln Ser Glu Gly
 215 220 225
 Ser Val Ser Leu Ser Leu Val Lys Glu Gln Ala Phe Gly Gly Leu
 230 235 240
 Thr Arg Ala Leu Ala Leu Asp Cys Glu Met Val Gly Val Gly Pro
 245 250 255
 Lys Gly Glu Glu Ser Met Ala Ala Arg Val Ser Ile Val Asn Gln
 260 265 270
 Tyr Gly Lys Cys Val Tyr Asp Lys Tyr Val Lys Pro Thr Glu Pro
 275 280 285
 Val Thr Asp Tyr Arg Thr Ala Val Ser Gly Ile Arg Pro Glu Asn
 290 295 300
 Leu Lys Gln Gly Glu Glu Leu Glu Val Val Gln Lys Glu Val Ala
 305 310 315
 Glu Met Leu Lys Gly Arg Ile Leu Val Gly His Ala Leu His Asn
 320 325 330
 Asp Leu Lys Val Leu Phe Leu Asp His Pro Lys Lys Lys Ile Arg
 335 340 345
 Asp Thr Gln Lys Tyr Lys Pro Phe Lys Ser Gln Val Lys Ser Gly
 350 355 360
 Arg Pro Ser Leu Arg Leu Leu Ser Glu Lys Ile Leu Gly Leu Gln
 365 370 375
 Val Gln Gln Ala Glu His Cys Ser Ile Gln Asp Ala Gln Ala Ala
 380 385 390
 Met Arg Leu Tyr Val Met Val Lys Lys Glu Trp Glu Ser Met Ala
 395 400 405

Arg Asp Arg Arg Pro Leu Leu Thr Ala Pro Asp His Cys Ser Asp
 410 415 420
 Asp Ala

<210> 50
 <211> 397
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 5040573CD1

<400> 50
 Met Ala Met Ile Glu Leu Gly Phe Gly Arg Gln Asn Phe His Pro
 1 5 10 15
 Leu Lys Arg Lys Ser Ser Leu Leu Leu Lys Leu Ile Ala Val Val
 20 25 30
 Phe Ala Val Leu Leu Phe Cys Glu Phe Leu Ile Tyr Tyr Leu Ala
 35 40 45
 Ile Phe Gln Cys Asn Trp Pro Glu Val Lys Thr Thr Ala Ser Asp
 50 55 60
 Gly Glu Gln Thr Thr Arg Glu Pro Val Leu Lys Ala Met Phe Leu
 65 70 75
 Ala Asp Thr His Leu Leu Gly Glu Phe Leu Gly His Trp Leu Asp
 80 85 90
 Lys Leu Arg Arg Glu Trp Gln Met Glu Arg Ala Phe Gln Thr Ala
 95 100 105
 Leu Trp Leu Leu Gln Pro Glu Val Val Phe Ile Leu Gly Asp Ile
 110 115 120
 Phe Asp Glu Gly Lys Trp Ser Thr Pro Glu Ala Trp Ala Asp Asp
 125 130 135
 Val Glu Arg Phe Gln Lys Met Phe Arg His Pro Ser His Val Gln
 140 145 150
 Leu Lys Val Val Ala Gly Asn His Asp Ile Gly Phe His Tyr Glu
 155 160 165
 Met Asn Thr Tyr Lys Val Glu Arg Phe Glu Lys Val Phe Ser Ser
 170 175 180
 Glu Arg Leu Phe Ser Trp Lys Gly Ile Asn Phe Val Met Val Asn
 185 190 195
 Ser Val Ala Leu Asn Gly Asp Gly Cys Gly Ile Cys Ser Glu Thr
 200 205 210
 Glu Ala Glu Leu Ile Glu Val Ser His Arg Leu Asn Cys Ser Arg
 215 220 225
 Glu Gln Ala Arg Gly Ser Ser Arg Cys Gly Pro Gly Pro Leu Leu
 230 235 240
 Pro Thr Ser Ala Pro Val Leu Leu Gln His Tyr Pro Leu Tyr Arg
 245 250 255
 Arg Ser Asp Ala Asn Cys Ser Gly Glu Asp Ala Ala Pro Pro Glu
 260 265 270
 Glu Arg Asp Ile Pro Phe Lys Glu Asn Tyr Asp Val Leu Ser Arg
 275 280 285
 Glu Ala Ser Gln Lys Leu Leu Trp Trp Leu Gln Pro Arg Leu Val
 290 295 300
 Leu Ser Gly His Thr His Ser Ala Cys Glu Val His His Gly Gly
 305 310 315
 Arg Val Pro Glu Leu Ser Val Pro Ser Phe Ser Trp Arg Asn Arg
 320 325 330
 Asn Asn Pro Ser Phe Ile Met Gly Ser Ile Thr Pro Thr Asp Tyr
 335 340 345
 Thr Leu Ser Lys Cys Tyr Leu Pro Arg Glu Asp Val Val Leu Ile
 350 355 360
 Ile Tyr Cys Gly Val Val Gly Phe Leu Val Val Leu Thr Leu Thr

365
 His Phe Gly Leu Leu Ala Ser Pro Phe Leu Ser Gly Leu Asn Leu 375
 380 385 390
 Leu Gly Lys Arg Lys Thr Arg
 395

<210> 51
 <211> 800
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 5627029CD1

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 Thr Thr Ala Ala Ala Gly Thr Gly Gly Ala Thr Glu Gln Pro Pro
 20 25 30
 Arg His Arg Glu His Lys Lys His Lys His Arg Ser Gly Gly Ser
 35 40 45
 Gly Gly Ser Gly Gly Glu Arg Arg Lys Arg Ser Arg Glu Arg Gly
 50 55 60
 Gly Glu Arg Gly Ser Gly Arg Arg Gly Ala Glu Ala Glu Ala Arg
 65 70 75
 Ser Ser Thr His Gly Arg Glu Arg Ser Gln Ala Glu Pro Ser Glu
 80 85 90
 Arg Arg Val Lys Arg Glu Lys Arg Asp Asp Gly Tyr Glu Ala Ala
 95 100 105
 Ala Ser Ser Lys Thr Ser Ser Gly Asp Ala Ser Ser Leu Ser Ile
 110 115 120
 Glu Glu Thr Asn Lys Leu Arg Ala Lys Leu Gly Leu Lys Pro Leu
 125 130 135
 Glu Val Asn Ala Ile Lys Lys Glu Ala Gly Thr Lys Glu Glu Pro
 140 145 150
 Val Thr Ala Asp Val Ile Asn Pro Met Ala Leu Arg Gln Arg Glu
 155 160 165
 Glu Leu Arg Glu Lys Leu Ala Ala Ala Lys Glu Lys Arg Leu Leu
 170 175 180
 Asn Gln Lys Leu Gly Lys Ile Lys Thr Leu Gly Glu Asp Asp Pro
 185 190 195
 Trp Leu Asp Asp Thr Ala Ala Trp Ile Glu Arg Ser Arg Gln Leu
 200 205 210
 Gln Lys Glu Lys Asp Leu Ala Glu Lys Arg Ala Lys Leu Leu Glu
 215 220 225
 Glu Met Asp Gln Glu Phe Gly Val Ser Thr Leu Val Glu Glu Glu
 230 235 240
 Phe Gly Gln Arg Arg Gln Asp Leu Tyr Ser Ala Arg Asp Leu Gln
 245 250 255
 Gly Leu Thr Val Glu His Ala Ile Asp Ser Phe Arg Glu Gly Glu
 260 265 270
 Thr Met Ile Leu Thr Leu Lys Asp Lys Gly Val Leu Gln Glu Glu
 275 280 285
 Glu Asp Val Leu Val Asn Val Asn Leu Val Asp Lys Glu Arg Ala
 290 295 300
 Glu Lys Asn Val Glu Leu Arg Lys Lys Lys Pro Asp Tyr Leu Pro
 305 310 315
 Tyr Ala Glu Asp Glu Ser Val Asp Asp Leu Ala Gln Gln Lys Pro
 320 325 330
 Arg Ser Ile Leu Ser Lys Tyr Asp Glu Glu Leu Glu Gly Glu Arg
 335 340 345
 Pro His Ser Phe Arg Leu Glu Gln Gly Gly Thr Ala Asp Gly Leu
 350 355 360

Arg	Glu	Arg	Glu	Leu	Glu	Glu	Ile	Arg	Ala	Lys	Leu	Arg	Leu	Gln
				365					370					375
Ala	Gln	Ser	Leu	Ser	Thr	Val	Gly	Pro	Arg	Leu	Ala	Ser	Glu	Tyr
				380					385					390
Leu	Thr	Pro	Glu	Glu	Met	Val	Thr	Phe	Lys	Lys	Thr	Lys	Arg	Arg
				395					400					405
Val	Lys	Lys	Ile	Arg	Lys	Lys	Glu	Lys	Glu	Val	Val	Val	Arg	Ala
				410					415					420
Asp	Asp	Leu	Leu	Pro	Leu	Gly	Asp	Gln	Thr	Gln	Asp	Gly	Asp	Phe
				425					430					435
Gly	Ser	Arg	Leu	Arg	Gly	Arg	Gly	Arg	Arg	Arg	Val	Ser	Glu	Val
				440					445					450
Glu	Glu	Glu	Lys	Glu	Pro	Val	Pro	Gln	Pro	Leu	Pro	Ser	Asp	Asp
				455					460					465
Thr	Arg	Val	Glu	Asn	Met	Asp	Ile	Ser	Asp	Glu	Glu	Glu	Gly	Gly
				470					475					480
Ala	Pro	Pro	Pro	Ala	Ser	Pro	Gln	Val	Leu	Glu	Glu	Asp	Glu	Ala
				485					490					495
Glu	Leu	Glu	Leu	Gln	Lys	Gln	Leu	Glu	Lys	Gly	Arg	Arg	Leu	Arg
				500					505					510
Gln	Leu	Gln	Gln	Leu	Gln	Gln	Leu	Arg	Asp	Ser	Gly	Glu	Lys	Val
				515					520					525
Val	Glu	Ile	Val	Lys	Lys	Leu	Glu	Ser	Arg	Gln	Arg	Gly	Trp	Glu
				530					535					540
Glu	Asp	Glu	Asp	Pro	Glu	Arg	Lys	Gly	Ala	Ile	Val	Phe	Asn	Ala
				545					550					555
Thr	Ser	Glu	Phe	Cys	Arg	Thr	Leu	Gly	Glu	Ile	Pro	Thr	Tyr	Gly
				560					565					570
Leu	Ala	Gly	Asn	Arg	Glu	Glu	Gln	Glu	Glu	Leu	Met	Asp	Phe	Glu
				575					580					585
Arg	Asp	Glu	Glu	Arg	Ser	Ala	Asn	Gly	Gly	Ser	Glu	Ser	Asp	Gly
				590					595					600
Glu	Glu	Asn	Ile	Gly	Trp	Ser	Thr	Val	Asn	Leu	Asp	Glu	Glu	Lys
				605					610					615
Gln	Gln	Gln	Asp	Phe	Ser	Ala	Ser	Ser	Thr	Thr	Ile	Leu	Asp	Glu
				620					625					630
Glu	Pro	Ile	Val	Asn	Arg	Gly	Leu	Ala	Ala	Ala	Leu	Leu	Leu	Cys
				635					640					645
Gln	Asn	Lys	Gly	Leu	Leu	Glu	Thr	Thr	Val	Gln	Lys	Val	Ala	Arg
				650					655					660
Val	Lys	Ala	Pro	Asn	Lys	Ser	Leu	Pro	Ser	Ala	Val	Tyr	Cys	Ile
				665					670					675
Glu	Asp	Lys	Met	Ala	Ile	Asp	Asp	Lys	Tyr	Ser	Arg	Arg	Glu	Glu
				680					685					690
Tyr	Arg	Gly	Phe	Thr	Gln	Asp	Phe	Lys	Glu	Lys	Asp	Gly	Tyr	Lys
				695					700					705
Pro	Asp	Val	Lys	Ile	Glu	Tyr	Val	Asp	Glu	Thr	Gly	Arg	Lys	Leu
				710					715					720
Thr	Pro	Lys	Glu	Ala	Phe	Arg	Gln	Leu	Ser	His	Arg	Phe	His	Gly
				725					730					735
Lys	Gly	Ser	Gly	Lys	Met	Lys	Thr	Glu	Arg	Arg	Met	Lys	Lys	Leu
				740					745					750
Asp	Glu	Glu	Ala	Leu	Leu	Lys	Lys	Met	Ser	Ser	Ser	Asp	Thr	Pro
				755					760					765
Leu	Gly	Thr	Val	Ala	Leu	Leu	Gln	Glu	Lys	Gln	Lys	Ala	Gln	Lys
				770					775					780
Thr	Pro	Tyr	Ile	Val	Leu	Ser	Gly	Ser	Gly	Lys	Ser	Met	Asn	Ala
				785					790					795
Asn	Thr	Ile	Thr	Lys										
				800										

<210> 52

<211> 713

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 5678487CD1

<400> 52

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Met Ala Lys Ser Pro Glu Asn Ser Thr Leu Glu Glu Ile Leu Gly
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 20          25          30
Gln Leu Thr Cys Ala Leu Lys Glu Gly Asp Val Thr Ile Gly Glu
 35          40          45
Asp Ala Pro Asn Leu Ser Phe Ser Thr Ser Val Gly Asn Glu Asp
 50          55          60
Ala Arg Thr Ala Trp Pro Glu Leu Gln Gln Ser His Ala Val Asn
 65          70          75
Gln Leu Lys Asp Leu Leu Arg Gln Gln Ala Asp Lys Glu Ser Glu
 80          85          90
Val Ser Pro Ser Arg Arg Arg Lys Met Ser Pro Leu Arg Ser Leu
 95          100          105
Glu His Glu Glu Thr Asn Met Pro Thr Met His Asp Leu Val His
110          115          120
Thr Ile Asn Asp Gln Ser Gln Tyr Ile His His Leu Glu Ala Glu
125          130          135
Val Lys Phe Cys Lys Glu Glu Leu Ser Gly Met Lys Asn Lys Ile
140          145          150
Gln Val Val Val Leu Glu Asn Glu Gly Leu Gln Gln Gln Leu Lys
155          160          165
Ser Gln Arg Gln Glu Glu Thr Leu Arg Glu Gln Thr Leu Leu Asp
170          175          180
Ala Ser Gly Asn Met His Asn Ser Trp Ile Thr Thr Gly Glu Asp
185          190          195
Ser Gly Val Gly Glu Thr Ser Lys Arg Pro Phe Ser His Asp Asn
200          205          210
Ala Asp Phe Gly Lys Ala Ala Ser Ala Gly Glu Gln Leu Glu Leu
215          220          225
Glu Lys Leu Lys Leu Thr Tyr Glu Glu Lys Cys Glu Ile Glu Glu
230          235          240
Ser Gln Leu Lys Phe Leu Arg Asn Asp Leu Ala Glu Tyr Gln Arg
245          250          255
Thr Cys Glu Asp Leu Lys Glu Gln Leu Lys His Lys Glu Phe Leu
260          265          270
Leu Ala Ala Asn Thr Cys Asn Arg Val Gly Gly Leu Cys Leu Lys
275          280          285
Cys Ala Gln His Glu Ala Val Leu Ser Gln Thr His Thr Asn Val
290          295          300
His Met Gln Thr Ile Glu Arg Leu Val Lys Glu Arg Asp Asp Leu
305          310          315
Met Ser Ala Leu Val Ser Val Arg Ser Ser Leu Ala Asp Thr Gln
320          325          330
Gln Arg Glu Ala Ser Ala Tyr Glu Gln Val Lys Gln Val Leu Gln
335          340          345
Ile Ser Glu Glu Ala Asn Phe Glu Lys Thr Lys Ala Leu Ile Gln
350          355          360
Cys Asp Gln Leu Arg Lys Glu Leu Glu Arg Gln Ala Glu Arg Leu
365          370          375
Glu Lys Asp Leu Ala Ser Gln Gln Glu Lys Arg Ala Ile Glu Lys
380          385          390
Asp Met Met Lys Lys Glu Ile Thr Lys Glu Arg Glu Tyr Met Gly
395          400          405
Ser Lys Met Leu Ile Leu Ser Gln Asn Ile Ala Gln Leu Glu Ala
410          415          420

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Gln Val Glu Lys Val Thr Lys Glu Lys Ile Ser Ala Ile Asn Gln
 425 430 435
 Leu Glu Glu Ile Gln Ser Gln Leu Ala Ser Arg Glu Met Asp Val
 440 445 450
 Thr Lys Val Cys Gly Glu Met Arg Tyr Gln Leu Asn Lys Thr Asn
 455 460 465
 Met Glu Lys Asp Glu Ala Glu Lys Glu His Arg Glu Phe Arg Ala
 470 475 480
 Lys Thr Asn Arg Asp Leu Glu Ile Lys Asp Gln Glu Ile Glu Lys
 485 490 495
 Leu Arg Ile Glu Leu Asp Glu Ser Lys Gln His Leu Glu Gln Glu
 500 505 510
 Gln Gln Lys Ala Ala Leu Ala Arg Glu Glu Cys Leu Arg Leu Thr
 515 520 525
 Glu Leu Leu Gly Glu Ser Glu His Gln Leu His Leu Thr Arg Gln
 530 535 540
 Glu Lys Asp Ser Ile Gln Gln Ser Phe Ser Lys Glu Ala Lys Ala
 545 550 555
 Gln Ala Leu Gln Ala Gln Gln Arg Glu Gln Glu Leu Thr Gln Lys
 560 565 570
 Ile Gln Gln Met Glu Ala Gln His Asp Lys Thr Glu Asn Glu Gln
 575 580 585
 Tyr Leu Leu Leu Thr Ser Gln Asn Thr Phe Leu Thr Lys Leu Lys
 590 595 600
 Glu Glu Cys Cys Thr Leu Ala Lys Lys Leu Glu Gln Ile Ser Gln
 605 610 615
 Lys Thr Arg Ser Glu Ile Ala Gln Leu Ser Gln Glu Lys Arg Tyr
 620 625 630
 Thr Tyr Asp Lys Leu Gly Lys Leu Gln Arg Arg Asn Glu Glu Leu
 635 640 645
 Glu Glu Gln Cys Val Gln His Gly Arg Val His Glu Thr Met Lys
 650 655 660
 Gln Arg Leu Arg Gln Leu Asp Lys His Ser Gln Ala Thr Ala Gln
 665 670 675
 Gln Leu Val Gln Leu Leu Ser Lys Gln Asn Gln Leu Leu Leu Glu
 680 685 690
 Arg Gln Ser Leu Ser Glu Glu Val Asp Arg Leu Arg Thr Gln Leu
 695 700 705
 Pro Ser Met Pro Gln Ser Asp Cys
 710

<210> 53

<211> 880

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 5682976CD1

<400> 53

Met Ser Arg Gly Gly Ser Cys Pro His Leu Leu Trp Asp Val Arg
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 Lys Arg Ser Leu Gly Leu Glu Asp Pro Ser Arg Leu Arg Ser Arg
 20 25 30
 Tyr Leu Gly Arg Arg Glu Phe Ile Gln Arg Leu Lys Leu Glu Ala
 35 40 45
 Thr Leu Asn Val His Asp Gly Cys Val Asn Thr Ile Cys Trp Asn
 50 55 60
 Asp Thr Gly Glu Tyr Ile Leu Ser Gly Ser Asp Asp Thr Lys Leu
 65 70 75
 Val Ile Ser Asn Pro Tyr Ser Arg Lys Val Leu Thr Thr Ile Arg
 80 85 90
 Ser Gly His Arg Ala Asn Ile Phe Ser Ala Lys Phe Leu Pro Cys

53/93

Gln Glu Gly Val Ser Ala Glu Asn Pro Val Glu Asn His Ile Asn
 575 580 585
 Ile Thr Gln Ser Asp Lys Phe Thr Ala Lys Pro Leu Asp Ser Asn
 590 595 600
 Ser Gly Glu Arg Asn Asp Leu Asn Leu Asp Arg Ser Cys Gly Val
 605 610 615
 Pro Glu Glu Ser Ala Ser Ser Glu Lys Ala Lys Glu Pro Glu Thr
 620 625 630
 Ser Asp Gln Thr Ser Thr Glu Ser Ala Thr Asn Glu Asn Asn Thr
 635 640 645
 Asn Pro Glu Pro Gln Phe Gln Thr Glu Ala Thr Gly Pro Ser Ala
 650 655 660
 His Glu Glu Thr Ser Thr Arg Asp Ser Ala Leu Gln Asp Thr Asp
 665 670 675
 Asp Ser Asp Asp Asp Pro Val Leu Ile Pro Gly Ala Arg Tyr Arg
 680 685 690
 Ala Gly Pro Gly Asp Arg Arg Ser Ala Val Ala Arg Ile Gln Glu
 695 700 705
 Phe Phe Arg Arg Arg Lys Glu Arg Lys Glu Met Glu Glu Leu Asp
 710 715 720
 Thr Leu Asn Ile Arg Arg Pro Leu Val Lys Met Val Tyr Lys Gly
 725 730 735
 His Arg Asn Ser Arg Thr Met Ile Lys Glu Ala Asn Phe Trp Gly
 740 745 750
 Ala Asn Phe Val Met Ser Gly Ser Asp Cys Gly His Ile Phe Ile
 755 760 765
 Trp Asp Arg His Thr Ala Glu His Leu Met Leu Leu Glu Ala Asp
 770 775 780
 Asn His Val Val Asn Cys Leu Gln Pro His Pro Phe Asp Pro Ile
 785 790 795
 Leu Ala Ser Ser Gly Ile Asp Tyr Asp Ile Lys Ile Trp Ser Pro
 800 805 810
 Leu Glu Glu Ser Arg Ile Phe Asn Arg Lys Leu Ala Asp Glu Val
 815 820 825
 Ile Thr Arg Asn Glu Leu Met Leu Glu Glu Thr Arg Asn Thr Ile
 830 835 840
 Thr Val Pro Ala Ser Phe Met Leu Arg Met Leu Ala Ser Leu Asn
 845 850 855
 His Ile Arg Ala Asp Arg Leu Glu Gly Asp Arg Ser Glu Gly Ser
 860 865 870
 Gly Gln Glu Asn Glu Asn Glu Asp Glu Glu
 875 880

<210> 54

<211> 855

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 5992432CD1

<400> 54

Met Val Val Met Ala Arg Leu Ser Arg Pro Glu Arg Pro Asp Leu
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 Val Phe Glu Glu Glu Asp Leu Pro Tyr Glu Glu Glu Ile Met Arg
 20 25 30
 Asn Gln Phe Ser Val Lys Cys Trp Leu Arg Tyr Ile Glu Phe Lys
 35 40 45
 Gln Gly Ala Pro Lys Pro Arg Leu Asn Gln Leu Tyr Glu Arg Ala
 50 55 60
 Leu Lys Leu Leu Pro Cys Ser Tyr Lys Leu Trp Tyr Arg Tyr Leu
 65 70 75
 Lys Ala Arg Arg Ala Gln Val Lys His Arg Cys Val Thr Asp Pro

Ala Tyr Glu Asp	80	Val Asn Asn Cys His	85	Glu Arg Ala Phe Val	90
95		100		105	
Met His Lys Met	110	Pro Arg Leu Trp Leu	115	Asp Tyr Cys Gln Phe	120
125		130		135	
Met Asp Gln Gly	140	Arg Val Thr His Thr	145	Arg Arg Thr Phe Asp	150
155		160		165	
Ala Leu Arg Ala	170	Leu Pro Ile Thr Gln	175	His Ser Arg Ile Trp	180
185		190		195	
Leu Tyr Leu Arg	200	Phe Leu Arg Ser His	205	Pro Leu Pro Glu Thr	210
215		220		225	
Val Arg Gly Tyr	230	Arg Arg Phe Leu Lys	235	Leu Ser Pro Glu Ser	240
245		250		255	
Glu Glu Tyr Ile	260	Glu Tyr Leu Lys Ser	265	Ser Asp Arg Leu Asp	270
275		280		285	
Ala Ala Gln Arg	290	Leu Ala Thr Val Val	295	Asn Asp Glu Arg Phe	300
305		310		315	
Ser Lys Ala Gly	320	Lys Ser Asn Tyr Gln	325	Leu Trp His Glu Leu	330
335		340		345	
Asp Leu Ile Ser	350	Gln Asn Pro Asp Lys	355	Val Gln Ser Leu Asn	360
365		370		375	
Asp Ala Ile Ile	380	Arg Gly Gly Leu Thr	385	Arg Phe Thr Asp Gln	390
395		400		405	
Gly Lys Leu Trp	410	Cys Ser Leu Ala Asp	415	Tyr Tyr Ile Arg Ser	420
425		430		435	
His Phe Glu Lys	440	Ala Arg Asp Val Tyr	445	Glu Glu Ala Ile Arg	450
455		460		465	
Val Met Thr Val	470	Arg Asp Phe Thr Gln	475	Val Phe Asp Ser Tyr	480
485		490		495	
Gln Phe Glu Glu	500	Ser Met Ile Ala Ala	505	Lys Met Glu Thr Ala	510
515		520		525	
Glu Leu Gly Arg	530	Glu Glu Asp Asp Val	535	Asp Leu Glu Leu Arg	540
545		550		555	
Leu Ala Arg Phe		Gln Leu Ile Ser Arg		Arg Pro Leu Leu Leu	
Asn Ser Val Leu		Leu Arg Gln Asn Pro		His His Val His Glu	
His Lys Arg Val		Ala Leu His Gln Gly		Arg Pro Arg Glu Ile	
Asn Thr Tyr Thr		Glu Ala Val Gln Thr		Val Asp Pro Phe Lys	
Thr Gly Lys Pro		His Thr Leu Trp Val		Ala Phe Ala Lys Phe	
Glu Asp Asn Gly		Gln Leu Asp Asp Ala		Arg Val Ile Leu Glu	
Ala Thr Lys Val		Asn Phe Lys Gln Val		Asp Asp Leu Ala Ser	
Trp Cys Gln Cys		Gly Glu Leu Glu Leu		Arg His Glu Asn Tyr	
Glu Ala Leu Arg		Leu Leu Arg Lys Ala		Thr Ala Leu Pro Ala	
Arg Ala Glu Tyr		Phe Asp Gly Ser Glu		Pro Val Gln Asn Arg	
Tyr Lys Ser Leu		Lys Val Trp Ser Met		Leu Ala Asp Leu Glu	
Ser Leu Gly Thr		Phe Gln Ser Thr Lys		Ala Val Tyr Asp Arg	
Leu Asp Leu Arg		Ile Ala Thr Pro Gln		Ile Val Ile Asn Tyr	
Met Phe Leu Glu		Glu His Lys Tyr Phe		Glu Glu Ser Phe Lys	
Tyr Glu Arg Gly		Ile Ser Leu Phe Lys		Trp Pro Asn Val Ser	

Ile Trp Ser Thr Tyr	Leu Thr Lys Phe	Ile Ala Arg Tyr Gly Gly	
560	565	570	
Arg Lys Leu Glu Arg	Ala Arg Asp Leu	Phe Glu Gln Ala Leu Asp	
575	580	585	
Gly Cys Pro Pro Lys	Tyr Ala Lys Thr	Leu Tyr Leu Leu Tyr Ala	
590	595	600	
Gln Leu Glu Glu Glu	Trp Gly Leu Ala	Arg His Ala Met Ala Val	
605	610	615	
Tyr Glu Arg Ala Thr	Arg Ala Val Glu	Pro Ala Gln Gln Tyr Asp	
620	625	630	
Met Phe Asn Ile Tyr	Ile Lys Arg Ala	Ala Glu Ile Tyr Gly Val	
635	640	645	
Thr His Thr Arg Gly	Ile Tyr Gln Lys	Ala Ile Glu Val Leu Ser	
650	655	660	
Asp Glu His Ala Arg	Glu Met Cys Leu	Arg Phe Ala Asp Met Glu	
665	670	675	
Cys Lys Leu Gly Glu	Ile Asp Arg Ala	Arg Ala Ile Tyr Ser Phe	
680	685	690	
Cys Ser Gln Ile Cys	Asp Pro Arg Thr	Thr Gly Ala Phe Trp Gln	
695	700	705	
Thr Trp Lys Asp Phe	Glu Val Arg His	Gly Asn Glu Asp Thr Ile	
710	715	720	
Lys Glu Met Leu Arg	Ile Arg Arg Ser	Val Gln Ala Thr Tyr Asn	
725	730	735	
Thr Gln Val Asn Phe	Met Ala Ser Gln	Met Leu Lys Val Ser Gly	
740	745	750	
Ser Ala Thr Gly Thr	Val Ser Asp Leu	Ala Pro Gly Gln Ser Gly	
755	760	765	
Met Asp Asp Met Lys	Leu Leu Glu Gln	Arg Ala Glu Gln Leu Ala	
770	775	780	
Ala Glu Ala Glu Arg	Asp Gln Pro Leu	Arg Ala Gln Ser Lys Ile	
785	790	795	
Leu Phe Val Arg Ser	Asp Ala Ser Arg	Glu Glu Leu Ala Glu Leu	
800	805	810	
Ala Gln Gln Val Asn	Pro Glu Glu Ile	Gln Leu Gly Glu Asp Glu	
815	820	825	
Asp Glu Asp Glu Met	Asp Leu Glu Pro	Asn Glu Val Arg Leu Glu	
830	835	840	
Gln Gln Ser Val Pro	Ala Ala Val Phe	Gly Ser Leu Lys Glu Asp	
845	850	855	

<210> 55

<211> 1598

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 116462CB1

<400> 55

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tgcaatccat tggcggtagg aaccacgatt cccggcattc ccagtgtccc gagtccttcg 180
ggcttccttt tccgggtctc gaggtgtctg aaaccgaaac cgctgtgctg tgggcgcagc 240
gccgagattg attcaccttc acctgtgctg cactccagct gacccaagta ggaagccaga 300
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taccagaggg cctcagggc tgggcttcaa catcgctcggg gggacagatc agcagtatgt 420
ctccaacgac agtggcatct acgtcagccg catcaaagaa aatggggctg cggccctgga 480
tgggcggctc caggaggggtg ataagatcct ttcggtaaat ggccaagacc taaagaacct 540
gctgcaccag gatgctgtag acctctttcg taatgcaggc tatgctgtgt ctctgagagt 600
gcagcacagg ttacaggtgc agaatggacc tataggacat cgaggtgaag gggacccaag 660
tggtattccc atatttatgg tgctggtgcc agtgtttgcc ctcaccatgg tagcagcctg 720

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<210> 56

<211> 1432

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1210462CB1

<400> 56

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ctgaccacag tgaaagcaaa atcagagggg aagcttgcaa aacagatttg caaagttgtg 180
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<210> 57

<211> 2317

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1305252CB1

<400> 57

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agaagactat ctggaaatga ttgagcagct tcctatggat ctgcgggacc gcttcacgga 180
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<210> 58

<211> 1774

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1416289CB1

<400> 58

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ttcagggtgcc ttgaatggct tctaaacaat ttgatgactc accagaatgt tgaacttttt 180
aaagaactca gtataaatgt catgaaacag ctcatgggtt catctaactt atttgtgatg 240
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gaacaagatg ctgtagtacc ttcagaatgg ctctcttctg tgtataaaca gcagtgggtt 540
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tcactcagttg gaaacagtag cactttgaaa acttttttagg ccagctttaa tttaatggcc 1080
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<210> 59
<211> 1268
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 1558289CB1

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<400> 59
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aagagccttg cactgcaagc agagaagaag ctactgagta agatggcggg tcgctctgtg 180
gctcatctct tcatagatga gacaagcagt gaggtgctag atgagctcta ccgtgtgtcc 240
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ggggccgc

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<210> 60
<211> 1331
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 1577739CB1

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<400> 60
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gctggtgaag gccgagatgg aaaagttttt gcagaacaag gagctcttca gcagcttgaa 180
gaaggggaag atttgctgct gctgccgggc caagttcccc ctgttctcgt ggccgccag 240

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ctgtctcttc tgcaagagag cegtctgcac ttctgttagc ataaagatga agatgccttc 300
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agctgccaaa accgcgcaa tccagagaag agacatcttt cagtctctgc aagggccaca 420
gtggcagagc gtggaggagg cgttccccca catctactcc cagggtgttg tcctgaagga 480
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<210> 61

<211> 3227

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1752768CB1

<400> 61

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<210> 62

<211> 1865

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1887228CB1

<400> 62

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aaaaa

1865

<210> 63

<211> 1924

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1988468CB1

<400> 63

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caccgcatgg gcatggggca gtccccgagc ccccatcacc accagcagca gcagccccag 360
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aaaaa 1924
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<210> 64

<211> 948

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2049176CB1

<400> 64

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tgtactggat tgtttttgct ctctatactg tgattgaaac agtagccgat caaacagttg 240
cttggtttcc cctgtactat gagctgaaga ttgcttttgt catatggctg ctttctccct 300
ataccaaagg agcaagttta atatatagaa aattccttca tccacttctt tcttcaagg 360
aaaggagat tgatgattat attgtacaag caaaggaacg aggctatgaa accatggtaa 420
```

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actttggacg gcaaggttta aaccttgcag ctactgctgc tgttactgca gcagtaaaga 480
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aaggtgatga gcctgtggga caaagacat accaactctc accagaagca aaaaagaaaa 600
gtaaacacgc cccagtgaa tcagcaggtt atggaattcc actgaaagac ggagatgaga 660
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<210> 65
<211> 2035
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<223> Incyte ID No: 2686765CB1

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<400> 65
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<210> 66
<211> 766
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<223> Incyte ID No: 3215187CB1

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<400> 66
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tctctggtgc tgtgcgctgc gctcatcttc ttcgccatct ggcacataat tgcctttgat 180
gagttaagga cagattttta gagcccata gaccagtga atcctgttca tgcgaggaa 240
cggttgagga acatcgagcg catctgcttc ctctcgcaa agctggtgct gccagaatac 300
tccatccata gcctcttctg cattatgttc ctgtgtgcgc aagagtggct cactgtggg 360
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tcagaactag cctacgaccc accggtggtc atgaatgcc acactttgag ttactgtcag 480
aaggaggcct ggtgtaagct ggccttctat ctctctcct tcttctacta cctttactgc 540
atgatctaca ctttagtgag ctcttaacgc aaagaccatg cacatcatca gagactgaga 600
tgggagaggg ctgagacgga gaggtgcatt tctgctggtg actggaggag ggaccagaat 660
gaggatagct gagatataga cccggcaggc agtcagactg aatggggagct ggaatcacgc 720
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<210> 67
<211> 2503
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 3500375CB1

<400> 67
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caagagaaga aggaggcagg cgcggcggca gcggcggcgc cccgagccgg cggaggcgag 180
gggggggaag atggcgagcg tgcttagcgt cctgcgacag tacaacatcc agaagaagga 240
gattgtggtg aaggggagacg aagtgtatct cggggagttc tcttgcccca agaattgtga 300
gaccaactat gttgtttggg ggactggaaa ggaaggccaa cccagagagt actacacatt 360
ggattccatt ttatttctac ttaataacgt gcacctttct catcctgttt atgtccgacg 420
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agggatgtga ctattttgaa tgaatcagaa tgtcaacttg tatgtacact atatctacac 2280


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ttactcatta tttaaaaaga ataatgaaaa atctagatca attcttcaat ttgattgaac 2340
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<210> 68
<211> 541
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 5080410CB1

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atccgtctct gcttccatgg cctctcgctc gcagtgaagc tcaagttgct actcgggacg 180
ctgcacctcc cgcgccgcac ggtggacgag catcctatct tgccaatgaa gggcgcccta 240
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atgctgccac tggagtggca gtacttgaac aaaaacgccc ctgacgaccc tcgctgggac 480
cctcactccc cgggtggaag cattttcagt taaagcgga acccaagagc gccacgctgc 540
g 541
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<210> 69
<211> 937
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 5218248CB1

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gagaaacacc tggtcaacct gaagttcgcg gccaaagaac tgagtaggag tgccaaaaaa 180
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caggatgaac tgtctcagag actggcccgc cttcgggatc aagtgtgacg gcagaaccgc 720
ctctgaggtt tcctggccat agccaccctt tgaaatgctc tctgtgtgtt agagagatac 780
tatacctag aaactctgaa cacgccagaa tgctgaaatg ccttcttacc tttgggttta 840
cagccccctc cacataaatt aagaaattca gtatttctgc actcttagct gtattctaaa 900
gttctgtata gctcgtaatg atggtatttt tatagca 937
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<210> 70
<211> 823
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 058336CB1

<400> 70

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aacgtacccc cctctcccctg tggaaagaaat cataaagcgg tcagagtgtg taattggaca 480
ggaggtggcc tataacttac ttgtcaacaa ctgtgaacat tttgtgacat tgcttcgcta 540
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ggggtgaata cttattttca gtgcatcatt actgttccag attcctatga tggatggcag 780
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<210> 71

<211> 1033

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1511488CB1

<400> 71

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acaagcgggc agcatgctca gggcggtcgg gaggctactg cgccttggcc gcgggctaac 180
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tgacagggct aaagctaaat gatattctaa gtgacaaagt gttcacctga ataccatccc 660
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cacagcctca ttctgcctt ttctcagcca ttacctccca aacatagcag tttttctgag 960
tttcatcacc ttgtattcat ttgtgcctgt tttgaacttt atataaatg atttatacat 1020
taaaaaaaaa aaa 1033
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<210> 72

<211> 1622

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1638819CB1

<400> 72

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<210> 73

<211> 2449

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1655123CB1

<400> 73

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<210> 74

<211> 1689

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2553926CB1

<400> 74

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<210> 75

<211> 2489

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2800717CB1

<400> 75

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<210> 76

<211> 898

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 5664154CB1

<400> 76

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ttttgaccca gtttgttaagt ttctgtcagc aggagagttt tacctattgc atggaaagat 840

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gctcattata tattgtgaag ttaataaaac agttttaaaa agcaaaaaaa aaaaaaaa 898

<210> 77
<211> 1236
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 017900CB1

<400> 77
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<211> 1634
<212> DNA
<213> Homo sapiens

<220>
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<210> 79
<211> 1258
<212> DNA
<213> Homo sapiens

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<210> 80
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<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<223> Incyte ID No: 926810CB1

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ataccctatc gtcgtcagtc atggctagca tcattgcacg tgtcggtaac agccggcgcc 540
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gtcctataat ggccagcatg gcagacagaa acatgaagtt gttctcgggg aggggtggtgc 660

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cagcccaagg ggaagaaacc tttagaaact ggctgaccca agtcaatggc gtcctgccag 720
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cccgcgaggt catgcgtgtg cttcaggcga ccaaccctaa cctaagtgtg gcagatttct 840
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<210> 81

<211> 1370

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1398816CB1

<400> 81

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tgtttccctt ccttcataat aggaagatca gggatcaaaa ctcatctcaa aagctaaaga 180
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tatcacact gtgaaattct cttgtcta atgaatttgc attccatggg gtttaacatg 1320
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<210> 82

<211> 1541
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 1496820CB1

<400> 82
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aagaacggga aaggcgggaat caggaaattc agcaggggcga agacgccttc ccacctagct 180
ctcctctctt tgacagagcca tacaaagtta ctagcaaaga agataagtta tcaagtcgta 240
ttcagagtat gcttggaaac tacgatgaaa tgaaggattt cataggagac agatctatac 300
caaagcttgt tgcaattccc aagcctacag taccaccatc agcagatgaa aaatctaacc 360
caaattttct tgaacagaga catggaggct ctcatcagag tagcaaatgg actccagtag 420
gaccgcgacc cagcacttct cagtctcaga aacggtcctc aggccttacag agtggacata 480
gtagccagcg gaccagcgca ggtagcagta gtggcactaa cagtagtggt cagaggcacg 540
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<210> 83
<211> 1372
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 1514559CB1

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cacttttgatt agcagcggaa caaggagtca gacatttta gatggtggca gtagaggcta 1200
tggacagggc atgccacgtg ggctcatatg gggctgggag tagttgtctt tcctggcact 1260
aacgttgagc ccctggaggc actgaagtgc ttagtgtagc tggagtattg gggctgacc 1320
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<210> 84
<211> 868
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<223> Incyte ID No: 1620092CB1

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aaaatccagg aattatgtta taacgtgcct gtattaaaaa ggatgtggta ttaggatcca 780
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aaataaattt tcttaataaa aaaaaaaaa 868

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<210> 85
<211> 3388
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<223> Incyte ID No: 1678765CB1

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<400> 85
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<210> 86

<211> 1707

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1708229CB1

<400> 86

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aaagaattct ctcagaaaaa aaaaaaa 1707
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<210> 87
<211> 1752
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 1806454CB1
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<223> Incyte ID No: 1806850CB1

<400> 88

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<400> 89

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<212> DNA

<213> Homo sapiens

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<223> Incyte ID No: 1868749CB1

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2555

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<212> DNA

<213> Homo sapiens

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<221> misc_feature

<223> Incyte ID No: 1980010CB1

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<213> Homo sapiens

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<223> Incyte ID No: 2259032CB1

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<210> 93

<211> 2031

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2359526CB1

<400> 93

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 <211> 820
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 2456494CB1

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<210> 95
 <211> 2070
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 2668536CB1

<220>
 <221> unsure
 <222> 2058, 2067
 <223> a, t, c, g, or other

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<210> 96

<211> 2046

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2683225CB1

<400> 96

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<210> 97

<211> 2660

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2797839CB1

<400> 97

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<210> 98

<211> 4610

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2959521CB1

<400> 98

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<213> Homo sapiens

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<223> Incyte ID No: 3520701CB1

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<213> Homo sapiens

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<213> Homo sapiens

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<223> Incyte ID No: 5627029CB1

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<213> Homo sapiens

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<223> Incyte ID No: 5678487CB1

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<212> DNA
<213> Homo sapiens

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<223> Incyte ID No: 5682976CB1

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